# Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 136 SEPTEMBER 11, 1939 Number 11



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| Heat of fusion, cal./gram | 57.8 |
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| Specific heat (20°C.), cal./gram °C. | 0.320 |
| Dissociation constant, 25°C. | $1.5 \times 10^{-4}$ |
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# Oil, Paint and Drug Reporter

*Founded 1871 by William O. Allison*

*Member: Audit Bureau of Circulations*

Volume 136 SEPTEMBER 11, 1939 Number 11

## Chemicals Embargoed Under Neutrality Act

*OPD Washington Bureau*
*September 6, 1939*

A variety of chemicals, mostly organics which are "poison gases" or are explosives or the components of these, are included in the embargo on arms, ammunition, or implements of war proclaimed by President Roosevelt yesterday under section 1 of the neutrality act.

The chemicals affected by the arms embargo are listed in categories vi and vii. They are the following:—

Ammonium nitrate with dinitronaphthalene (schneiderite)
Ammonium nitrate with trinitrotoluene (amatol)
Ammonium nitrate with trinitrotoluene and powdered aluminum (ammonal)
Ammonium picrate
Bromoacetone
Bromobenzyl cyanide

*—Continued on page 31*

## Britain, France Set Licenses for Imports

*OPD Washington Bureau*
*September 6, 1939*

Steps to control imports by means of licensing systems have been taken by Great Britain and France, according to information received by the Department of Commerce.

The British licensing system comprises a wide variety of articles, including the following:—

Chromates and bichromates.
Disinfectants.
Hops.
Licorice.
Lithopone.
Ocher and earth colors.
Paints, enamels, varnishes.
Printer's ink.
Soap.
Soda carbonate.
Soda, caustic.
Toilet preparations and perfumery.

The French decree requires importers to get licenses to import all commodities except gold into France or Algeria.

The Department of Commerce advises American exporters to make sure that consignees of goods shipped to Great Britain or France or Algeria have obtained the necessary licenses.

Sweden has placed under special license by a new trade board the importation of various articles, including unground pepper and cardamom.

## Britain Licenses Various Exports

British exports of a variety of raw materials were subjected to license by action of the United Kingdom Board of Trade August 24. It was expected then and especially later that this restriction of exports would be extended.

The license requirement applies with respect to a number of metals, including antimony, bismuth, cobalt, and quicksilver. It also embraces the following oils and related products and chemicals:—

Oils—
Coconut
Cottonseed
Linseed
Palm
Whale
Flaxseed
Groundnuts
Vegetable oilcakes and oilmeals
Copal
Gas oil
Glycerin
Mica
Motor spirit
Radium compounds
Rosin
Shellac, seedlac, sticklac
Toluol

The Netherlands has imposed a license requirement on all exports. Sweden has placed under license the exporting of a number of articles, including fat products of the food industry, chemical products, and medicinal preparations.

## National Lead Buys Plant Of Mepham Corp. in Texas

The National Lead Company, this city, has purchased from the George S. Mepham Corporation, manufacturer of earth pigments and dry colors, East St. Louis, the newly completed plant of that company at Texarkana, Tex. The plant produces iron oxide for use as a weighting material for oil well drilling muds. The product is sold to oil well drillers under the brand name, "Colox."

At the same time the National Lead also acquired Mepham's iron ore mining rights near Texarkana as well as the business of the corporation and of its associate, C. K. Williams & Co. of California, Ltd., Emeryville, Calif., in the sales of "Colox" and other related materials to the oil well trade.

The properties and business so acquired have been placed under the management of the National Pigments & Chemical division of the company and will supplement the present business of the division's "Baroid" sales department in the production of "Baroid" and "Aquagel," similar materials sold to oil drillers.

## Export Managers to Study Problems Caused by War

A round-table discussion of problems created by the war will be held at the regular luncheon meeting of the Export Managers Club, in the Hotel Pennsylvania, this city, September 12. Preceding the discussion members will hear a talk on Portugal by Jose Bensuade, commercial advisor to Portugal's New York World Fair Commission.

A course on practical export problems will be conducted under the joint sponsorship of the Export Managers Club and the Foreign Credit Interchange Bureau. The lectures will be held in the Hotel Pennsylvania at 6:15 p.m. on October 2 and 23; November 6 and 20; December 11; January 8 and 29; and February 20. Subjects will cover the organization and functions of the foreign department; creating export sales; export sales and advertising; shipping and documentation; governmental influences on foreign trade credit instruments and terms of sale; foreign credits and collections; and general legal questions that arise in foreign trade.

# Lard, Cottonseed Oil Plans Tangled by European War

*OPD Washington Bureau*
*September 6, 1939*

War in Europe has tossed new and entirely unexpected factors into the already complicated American lard and cottonseed oil situation, and has completely overturned a number of carefully considered plans for dealing with the expected huge surpluses of these commodities.

The lard surplus, expected to materialize with the coming hog crop this Fall, has been a matter of grave concern to Department of Agriculture experts, as well as to members of Congress from the cotton and corn-hog States. Some of the best and most highly efficient of the department staff members have been at work for weeks seeking an "out" for the apparently insoluble problem. They had considered a number of tentative plans, none of which was entirely satisfactory, and none of which received the undivided support of the many interests affected by the situation.

### Variety of Plans

One of the plans, which leaked out despite the best efforts of the department to keep it secret, would have provided for a form of subsidizing both lard and cottonseed oil for use in the manufacture of domestic soap, in place of certain imported materials. But, no sooner had an inkling of this proposal become public than protests began reaching the department. Most of these came from renderers of fats, and milder protests from soap manufacturers themselves were not lacking; all this served to complicate the moves of the government.

Another plan that received some attention would have provided for a subsidy for exports. This, however, was rejected as impracticable, as well as threatening political complications. Some consideration was given to a proposal for a barter agreement with Germany, but that, too, was tossed into the discard. Although the Department of Agriculture insists that the proposal for putting lard and cottonseed oil on the list of surplus commodities under the "stamp plan" has not been decided upon, for a time it was seriously considered. Indeed it is still reported to be a possible, partial solution, unless the coming of war proves to have wiped out the surplus problem.

### Conflicting Views

Representatives here of the lard and cottonseed oil interests are admitting

*—Continued on page 41*

## Shipping Executive Heads Customs Bureau

*OPD Washington Bureau*
*September 6, 1939*

Secretary of the Treasury Morgenthau announced today the appointment, effective tomorrow, of Basil Harris as Commissioner of Customs and assistant to the secretary. James H. Moyle has resigned, effective today, as Commissioner of Customs to become an assistant to the secretary.

Mr. Harris, who has been in the shipping business for twenty-seven years and who has resigned as a vice-president of the United States Lines to accept his new position in the Treasury Department, will be Secretary Morgenthau's chief adviser and administrator on all matters arising under the shipping phases of the neutrality act insofar as they affect the department.

Secretary Morgenthau also announced that Assistant Secretary Herbert E. Gaston will hereafter be in charge of the Coast Guard, the Bureau of Narcotics, Secret Service, and the Coordinating Committee for Treasury Law Enforcement activities. The first two of these duties have formerly been handled, together with the Bureau of Customs, by Assistant Secretary Stephen B. Gibbons, whose resignation was accepted today by President Roosevelt.

## Mexico Blocks Barter Of Oil for Soybeans

*OPD Washington Bureau*
*September 7, 1939*

The Mexican government has refused to permit the carrying out of a private barter deal by which large quantities of Japanese soybeans would have been swapped for Mexican petroleum. This deal was regarded as the forerunner of a series of such transactions, one of which apparently would have sent tung oil to Mexico.

According to information received by the Bureau of Foreign and Domestic Commerce with reference to the soybean deal, the Mexican government prohibited the unloading at Vera Cruz of a cargo of 7,000 tons of Japanese soybeans, arriving on the Greek ship, "Ann Stathatos," for the American Export Company and reported to have been shipped by Chumambai Kaisha, Kobe.

The action of the Mexican government is said to have been based on the fear that the effect of such an exchange would be completely to disorganize Mexico's domestic soybean market. After the issuance of the Mexican government's order, a German firm is reported to have applied for permission to re-export the shipment of beans to Germany, but this apparently was also refused, for the beans are declared to be still on board the Greek steamer, together with 3,000 drums of kerosene and 6,000 drums of gasoline, marked for Darien.

The information received by the Bureau of Foreign and Domestic Commerce says:—

One thing to be seen is that the Mexican government had nothing to do officially with the soybean shipment until after it reached Vera Cruz, or the beans would have been unloaded in that port.

# *Some Price History*

Although the intervening developments in the American chemical industry make it quite improbable that prices of other than a few chemicals and related materials will be affected by European war conditions to an extent comparable with that of some two decades ago, a comparison with prewar, wartime, postwar, and recent prices of certain more important materials is of interest, at least "for the record." If "runaway markets" come, they will for the most part be the result of something other than the necessity of the 1914-20 period. But the following comparisons from the REPORTER have some historical value at this time, even though history is unlikely to repeat itself:—

### *Heavy Chemicals*

| | Price in 1913. | War period high and date. | | Price July 1, 1939. |
|---|---|---|---|---|
| Acid, acetic, 28% | $1.75 | $12.00 | (June, 1918) | $2.23 |
| Boric, tech., gran | 140.00 | 290.00 | (Dec., 1919) | 105.00 |
| Sulphuric, 66 deg | 20.00 | 60.00 | (Jan., 1916) | 16.50 |
| Alum, ammonia | 1.75 | 8.00 | (Sept., 1918) | 3.15 |
| Alumina sulphate | .90 | 3.50 | (Nov., 1917) | 1.15 |
| Ammonia, aqua, 26 deg | .04¾ | .30 | (May, 1918) | .05 |
| Bleaching powder | 1.25 | 14.00 | (Jan., 1916) | 2.00 |
| Chlorine, liq., tech | .15 | .22 | (June, 1918) | .05¼ |
| Potash carbonate | .03¼ | .70 | (Nov., 1917) | .06½ |
| Caustic | .04 | 1.00 | (Feb., 1916) | .07 |
| Soda ash, 58%, light | .85 | 4.50 | (Feb., 1916) | 1.10 |
| Caustic, 76%, solid | 1.75 | 10.70 | (Sept., 1917) | 2.30 |
| Cyanide | .25 | 2.00 | (Jan., 1917) | .14 |
| Sulphate, cryst | .60 | 3.00 | (July, 1918) | .95 |
| Sulphur | 22.00 | 45.00 | (Feb. 1917) | 16.00 |

### *Coaltar Chemicals*

| | | | | |
|---|---|---|---|---|
| Anilin oil | .10¼ | .95 | (Dec., 1916) | .15 |
| Benzol, 90% | *... | .90 | (March, 1916) | .16 |
| Creosote oil | *... | .55 | (July, 1918) | .13 |
| Naphthalene, flake | .02¼ | .16 | (March, 1916) | .05¼ |
| Phenol | .08½ | .18 | (Feb., 1918) | .13 |
| Solvent naphtha | *... | .30 | (Jan., 1917) | .26 |
| Toluol | *... | 6.00 | (Feb., 1918) | .22 |
| Xylol | *... | 1.20 | (Feb., 1917) | .26 |

* No prices.

*—Continued on page 48*

SEP 1939
XUM

# Closing Market Developments

*(September 8, 1939)*

### Gum Chicle Reduced

Gum chicle was reduced to 34c. to 35c. per pound in ton lots last Friday afternoon. This was the sole reduction in prices in any REPORTER market last week.

### Barium Nitrate Higher

Price was advanced 2¼c. to the 9c. per pound level. Prices earlier in the week were unsettled, and quoted nominal at 6¾c. per pound. Limited stocks and prospects of higher replacement costs brought about the increase.

### Fertilizer Rates Up

Sharp advances made in the prices for South American fertilizer and feed stocks late last week were the result of freightage boosts of about 50 percent. The freight rate between the United States and South America jumped approximately $3.50 per ton above the previous figure.

### Japanese Camphor Higher

Late Friday afternoon, quotations on Japanese refined camphor were advanced to 60c. to 65c. per pound for slabs and powder, and to 65c. to 70c. for tablets. Conditions suggested that the outside figure of the range was closer to the actual market.

### Tetrachloride of Tin Unchanged

No further revision was made in anhydrous tetrachloride of tin, and price stood at the 29c. per pound level. Straits metal was around 61c. per pound. No quotations were available for anhydrous stannous chloride of tin, tin crystals and soda stannate.

### Vermilion Sales Limited

Major suppliers of quicksilver vermilion announced late last week that no consumer may buy more than 500 pounds of material at a time. The decision to limit purchases was deemed necessary in order to enable suppliers to hold the price down to the quoted level.

### English Codliver Oil Out

Information in hand last Friday afternoon stated that no British made codliver oil will reach to this market. War has stopped most of the fishing and any oil available will be required for British home consumption. With German production eliminated by the war, there remains only Norway, Iceland, Greenland, and Newfoundland upon which the United States must rely. Newfoundland was practically out as a source since her oil would be shipped to the mother country.

### Soft Mercurials Advanced

Quotations on soft mercurials were advanced last Friday afternoon as the result of the sharply increased cost of raw material during the past week. The new schedule was as follows:—Mercury ointment, 30 percent, 91c. to 93c. per pound; 50 percent, $1.32 to $1.34; bisulphate, bottles, $2.02 to $2.04; drums, $1.89; jars, $1.91; iodide, red, bottles, $3.91 to $3.95; cans, $3.80 to $3.85; drums, $3.80 to $3.85; yellow, bottles, $4.01 to $4.05; cans, $3.90; drums, $3.90; mercury and chalk, cartons, $1.36; drums, $1.24 to $1.29; blue mass, cans, $1.16; powder, $1.18; citrone ointment, 80c.

### Cottonseed Oil Easier

Refined oil futures weakened on Friday after a firm opening. Commission houses bought, but many traders were disposed to take profits after the recent sharp advance. There was also some selling on the monthly government cotton report, which put the indicated yield as of September 1 at 12,380,000 bales against 11,412,000 bales a month earlier and a production last season of 11,943,000 bales. The quantity of cotton ginned to September 1 was 1,401,756 bales. A small sale of tallow was reported at 6¼c. December cottonseed oil closed on Friday at 7.19c. against 6.59c. at the close on the previous Friday.

# Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

**Seed Disinfection.**—Cuban authorities are requiring all shipments of tomato and pepper seeds to be accompanied by a disinfection certificate showing the seeds have been disinfected prior to shipment, The requirement is based on a resolution adopted in 1934,, but put in force only recently. According to the Cuban law, all tomato and pepper seeds must be disinfected by immersion in a solution of bichloride of mercury in the proportion of 1 to 3,000 for a period of at least five minutes. Some importers have been successful in clearing seeds disinfected by the "New Improved Ceresan" method, in a proporation of 1 to 1,200 for the same period of time.

# Chemical Prices Advanced

There was a widespread advance in prices of heavy and fine chemicals last week, the markets experiencing to an extent the confusion of buying rushes and the concern about future supplies which characterized most lines of business. Strenuous efforts were made in many sections to conserve supplies for usual channels in the face of heavy demands from other directions and sudden decisions to improve inventory positions. Many quotations were withdrawn.

Price advances affecting materials of major importance—many others were more or less definitely made—comprised quicksilver, corrosive sublimate, calomel, red and yellow oxides of mercury, white precipitate, quicksilver vermilion, copper, blue vitriol, lead, red lead, litharge, orange mineral, nitrate and acetate of lead, silicofluorides of ammonia, barium, magnesia, and soda, Straits tin, tetrachloride of tin, antimony and its oxides, barium fluoride, imported cresylic acid, silver, nitrate of silver, U.S.P. natural and synthetic camphor, cornstarch, tanner's corn sugar, corn syrup, corn dextrin, potato starch, tapioca flour, sago flour, menthol, codliver oil, egg yolk, egg albumen, domestic casein, varnish gums, Italian barytes, gum rosin, gum turpentine, plantation gambier, sumac extract, zinc dust, dried blood, steamed bonemeal, Japanese and domestic fish scrap, raw bonemeal and hoofmeal at Chicago, and tankage.

The price of gum chicle was reduced.

The REPORTER's composite index number of prices for heavy and fine chemicals rose to 126.2 (100=average at August 1, 1914), its highest point since early in May, 1938. In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 89.3, compared with 89.0 at this time last year and 90.2 in 1937.

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# Wage-Hour Board To Increase Activity

*OPD Washington Bureau*
*September 6, 1939*

Increased activity in administration of the wage and hour law may be looked for in the near future, according to statements made by officials, who cite two developments in support of their opinion.

The administration has been increasing its inspection and legal staffs and decentralizing some of its regulatory functions so as to give greater scope to regional offices. It plans to build up a staff of approximately 500 investigators, trained to examine complaints from any section of the country. At the end of August the investigating staff numbered in excess of 200. In

*—Continued on page 50*

# N.P.V.L.A. Program Taking Shape

*OPD Washington Bureau*
*September 6, 1939*

An invitation to attend the annual convention of the National Paint, Varnish & Lacquer Association, to be held in San Francisco, October 31 to November 3, with headquarters in the Fairmont hotel, with the Mark Hopkins and the Palace hotels as auxiliary hotels, together with a preliminary and tentative program of the business and entertainment events, was issued today by Ernest T. Trigg, president of the association. President Trigg clearly emphasized that non-members of the association as well as members will be cordially welcomed at the convention.

The formal opening of the convention will take place on the afternoon of October 31, with addresses by Mr. Trigg and S. R. Matlack, treasurer of the association, and following a

*—Continued on page 62*

# TAPPI to Meet In Syracuse Sept. 12

The Technical Association of the Paper and Pulp Association will hold its Fall meeting in Syracuse September 12-14. Symposiums will be held on the manufacture of mechanical and chemical pulp; chemical and physical properties of fibers; new theory and practice in liquor preparation and pulp purifications, and the sizing and coating of paper and paper mill sanitation.

Among the technical papers to be read during the meeting are the following:—

"The Manufacture and Uses of Chlorine," by Paul Keene, chief chemist of the Solvay Process Company.

"An introduction to the Lime-Chlorine System in the Preparation of Calcium

*—Continued on page 48*

# Smith Heads Research Of U.S. on Potato Starch

*OPD Washington Bureau*
*September 6, 1939*

Dr. Lee T. Smith, chemist in the research laboratories of the Bureau of Dairy Industry, has been selected to head the carbohydrate and derived products division of the Eastern Regional Research Laboratory of the Bureau of Agricultural Chemistry and Engineering, Dr. Henry G. Knight, chief of the bureau, announced today. The investigations under Smith's direction will be concerned chiefly with the development of new and expanded uses of milk sugar and potato starch, and the numerous important products which can be prepared from these materials by fermentation and other means.

A native of Indiana, Dr. Smith received his A.B. degree at Indiana University in 1918 and later obtained the A.M. and Ph.D. degrees there. He came to the U. S. Department of Agriculture a little more than a year ago after nearly twenty years of experience with large industrial concerns for whom he carried on research and development work in the manufacture and utilization of plastic materials. While with the Bureau of Dairy Industry, Doctor Smith and a co-worker perfected a process for converting the lactic acid of whey into polymethylacrylate, a rubber-like substance closely related to the so-called organic glass used for highway reflectors.

## N.W.D.A. Convention Program Prepared

All agenda for the business sessions of the National Wholesale Druggists' Association in its sixty-fifth regular meeting have been collected in a program. Some few minor changes in details may have to be made to meet unforeseen circumstances, but the schedule is practically finished.

The meeting will be held September 24 to 28 in the Greenbrier, White Sulphur Springs, W. Va. The board of control and the membership committees will meet the first day; the regular business sessions will be started September 25. They will proceed as follows:—

**Monday, September 25**

**1:00 p.m.**

**Main Diningroom**

Officers, board of control and members will entertain at luncheon all new members, honorary guests, speakers, delegates and visitors from many other associations, including the following:—

**Speakers**

Prof. Theodore N. Beckman, Ohio State University, Columbus, O.

Dr. F. R. Cawl, Farm Journal, Philadelphia, Pa.

Mr. R. E. Freer, Chairman, Federal Trade Commission, Washington, D. C.

Hon. Homer A. Holt, Governor of West Virginia, Charleston, W. Va.

Mr. L. J. McCarthy, Director of Marketing, Hearst Magazine, Inc., New York City.

Hon. Paul V. McNutt, Commissioner, Indianapolis, Ind.

Mr. A. C. Nielsen, A. C. Nielsen Company, Chicago, Ill.

Prof. H. C. Nolan, Ohio State University, Columbus, O.

*—Continued on page 46*

## Chain Drug Companies Surveyed by SEC

*OPD Washington Bureau*
*September 5, 1939*

The Securities and Exchange Commission has published a report on chain drug stores based on the WPA census of American listed corporations. It comprises the following companies:—

Crown Drug Company.
Cunningham Drug Stores, Inc.
Dow Drug Company.
Gallaher Drug Company.
Katz Drug Company.
Kinsel Drug Company.
Miller Wholesale Drug Company.
Peoples Drug Stores, Inc.
Read Drug & Chemical Company.
Sontag Chain Stores Company.
Sun Ray Drug Company.
Walgreen Company.
Weinberger Drug Stores, Inc.

The report provides individual data for each of these thirteen corporations registered under the securities exchange act and combined data for all the companies for the years 1935 to 1937. These data include for each company a general survey, the names of parent and subsidiary companies, the outstanding security issues, financial and operation ratios, remuneration data, individual balance sheets, profit and loss statements, and surplus reconciliations. For the group, data include balance sheets, profit and loss statements, sur-

*—Continued on page 45*

## New Drug Ruling By Wallace Expected

*OPD Washington Bureau*
*September 6, 1939*

Secretary of Agriculture is expected to issue his first order under the new drug section of the food, drug, and cosmetic act shortly.

A private hearing on a new drug application was held at the department some weeks ago, and it is reported that the routine procedure is being pushed with all possible speed.

Although officials of the administration can not be quoted it is understood that the proposed findings of fact by opposing attorneys and the presiding officer at the hearing have been filed. This means that the matter is in the hands of the secretary for action. The law provides that the applicant may appeal to the courts, should the decision of the secretary prove a refusal of an application.

## Petroleum Gas Trucking Approved by I.C.C.

*OPD Washington Bureau*
*September 7, 1939*

Overruling the protest of a rail carrier, which claimed it would lose $3,500 monthly if the decision went against it, the Motor Carrier Division of the Interstate Commerce Commission has granted a new permit to Earl Clarence Gibbon, Henderson, Texas, authorizing him to haul butane and propane from Kilgore and Henderson to Shreveport, La., over specified routes.

The division finds that the rail service between the points named, a distance of approximately 75 miles, varies between thirty-six and forty-eight hours; whereas, the proposed truck service would require only five or six hours. Finding that the trucking service applicant will be "substantially more responsive to the need of the shipper than existing transportation facilities," the commission holds that the possibility that the applicant's operation may take revenue from other carriers would not be sufficient ground for denial of the application."

The proposed service would be for fining Company, Shreveport, which uses butane and propane for blending with gasoline.

The order also finds that the proposed operation would provide the Rodessa company with faster and more flexible transportation service, and also enable it to use its storage facilities for butane and propane.

## Marketing Laws Survey Sponsored by D.of C.

*OPD Washington Bureau*
*September 6, 1939*

The application of the Department of Commerce for sponsorship of the marketing laws survey, a WPA project, has been approved by the President. The staff of the survey has been engaged with a compilation of all State laws affecting the marketing of goods from the point of production to the point of consumption.

A series of volumes on the subject are being published, and several others are in the process of preparation. Three volumes, 'State Anti-Trust Laws,' 'Price Control Legislation,' and 'Governmental Purchasing and Distribution,' have been approved for publication and a fourth volume, 'Barriers to Trade Between States,' was recently published. The completed series will be the broadest study of this subject yet undertaken.

# Chemical Foreign Trade Balance In July Favorable to U. S.

*OPD Washington Bureau*
*September 7, 1939*

Exports of chemicals and related products in July amounted to $13,459,000 as compared with $11,620,000 in July last year. Imports totaled $11,500,000 in July, contrasted with $13,066,000 in July a year ago, according to the Chemical Division of the Department of Commerce.

Comparing shipments during the current July with those of the corresponding month of last year, it was found that exports of naval stores increased in value from $930,600 to $1,277,000. In this classification shipments of rosin increased in quantity from 63,560 to 80,320 barrels; turpentine, from 925,000 to 1,049,000 gallons; and pine oil shipments at 140,000 gallons were approximately the same as in 1938.

Foreign demand for medicinals and pharmaceuticals continued active in July, during which exports of such products, including biologics, vitamins and glandular remedies, were valued at $1,436,500 against $1,302,500 in the 1938 period. In this group shipments of non-proprietaries increased in value from $366,000 to $434,000 and proprietaries, from $564,000 to $657,000.

Chemical specialties exports increased in value from $2,381,000 to $2,609,500 during the months under review. The increase noted in exports of paint products from $1,414,000 in July, 1938, to $1,716,500 during the current July was due mainly to a 50 percent gain in shipments of chemical pigments which brought the total for the month to 20,000,000 pounds.

Other items on the chemical and related products export list recording gains in July compared with the corresponding month of last year included fertilizers, shipments of which increased from $978,000 to $1,309,600; industrial chemicals, from $2,079,000 to $2,236,000; sulphur, from $559,000 to $777,000; coal-tar products, from $624,000 to $663,000; soaps, from $203,500 to $235,000; toilet preparations, from $472,000 to $488,000; and essential oils, from $174,000 to $211,000.

Imports of gums, resins and balsams were valued at $835,000 in July, compared with $448,000 in the corresponding month of 1938; crude drug receipts advanced in value, from $461,000 to $807,000 during these periods; fertilizer materials, in quantity from 57,769 to 83,404 tons and in value from $1,350,000 to $2,240,000; oiticica oil, from $32,645 to $242,500, and cod-liver oil, from $151,000 to $307,000.

Items recording lesser gains during these periods included flaxseed, receipts of which increased in value from $1,193,000 to $1,337,000; perilla oil from $105,500 to $131,700; medicinal and pharmaceutical materials from $274,500 to $297,000; vegetable waxes from $41,000 to $57,000; essential oils from $369,000 to $384,000 and vegetable dyeing and tanning materials from $417,000 to $589,000, according to preliminary statistics.

## Soda Perborate Effect In Dentifrices Studied

*OPD Washington Bureau*
*September 5, 1939*

Use of perborate of soda in dentifrices is regarded with more or less suspicion by officials of the Food and Drug Administration, who report that they have been replying to that effect to inquiries as to the use and labeling of perborate as an ingredient in dentifrices.

Definite reports have been received by the administration, charging that, in specific instances, perborate of soda has been the cause of positive injury to the mucous membrane, the gums, the tongue, and the larnyx. As yet, however, the administration has taken no definite action against any of the products now on the market containing this ingredient and is at present merely marking time pending the conclusion of its investigations.

Officials pointed out that it is quite possible that limited quantities of perborate of soda might be used harmlessly in dentifrices, but that larger amounts might prove dangerous and would require warning statements be made on the label. Definite conclusions, it was stated, would have to await the outcome of the investigation.

# *Naval Stores Statistical Reports*

### By J. E. Lockwood

**Consulting Engineer and Economist in Naval Stores, Savannah**

*Continued from September 4 issue*

This article supplements and completes the one published herein last week. It supplies details of the total carryover, for which the totals only were supplied in the previous article. Together, they make possible an intelligent study of each of the gum and wood divisions, as well as proper planning for the sound development of the entire American naval stores industry. The writer has therefore submitted to the government his recommendation that this new two-season, comparable report form be adopted and used for the 1939-40 annual naval stores report and those following.

However, to make clear to the government what is generally desired by the industry and by consumers of its products, I suggest that each member of the industry and each consumer, who is interested in securing complete and accurate statistics of turpentine and rosin, write expressing his wishes in this matter, to C. F. Speh, Chief of the Naval Stores Research Division, Bureau of Agricultural Chemistry and Engineering, United States Department of Agriculture, Washington.

**Details of Turpentine Carryover**

*(Stocks at close of naval stores season, March 31)*

| | Barrels of 50 gallons | | | | | |
|---|---|---|---|---|---|---|
| | 1939 | | 1938 | | 1937 | |
| | Gum. | Wood. | Gum. | Wood. | Gum. | Wood. |
| Gum primary points— | | | | | | |
| Gum stills | 16,858 | ..... | 24,397 | ..... | 11,272 | ..... |
| Savannah | 37,039 | ..... | 27,073 | ..... | 23,728 | ..... |
| Jacksonville | 44,454 | ..... | 6,593 | ..... | 37,692 | ..... |
| Pensacola | 27,533 | ..... | 22,635 | ..... | 14,980 | ..... |
| Other Southern ports | 63,114 | ..... | 34,416 | ..... | 32,297 | ..... |
| Interior yards | 49,270 | ..... | 20,479 | ..... | 13,918 | ..... |
| Totals | 238,868 | ..... | 135,593 | ..... | 133,887 | ..... |
| Wood plants— | | | | | | |
| Steam-distilled | ..... | 13,026 | ..... | 17,579 | ..... | 21,943 |
| Sulphate | ..... | 6,238 | ..... | 5,759 | ..... | 3,499 |
| Destructive distilled | ..... | 652 | ..... | 650 | ..... | 643 |
| Totals | ..... | 19,916 | ..... | 23,988 | ..... | 26,085 |
| Northern distributing points— | | | | | | |
| Eastern | 5,658 | 4,752 | 4,370 | 3,978 | *6,344 | *3,416 |
| Central | 13,224 | 8,767 | 17,795 | 9,107 | *12,481 | *6,720 |
| Western | 3,842 | 2,288 | 5,718 | 1,770 | *2,367 | *1,275 |
| Totals | 22,724 | 15,807 | 27,883 | 14,855 | *21,192 | *11,411 |
| Industrial plants | 11,066 | 5,942 | 10,730 | 5,725 | *20,013 | *10,776 |
| Totals | 272,658 | 41,665 | 174,208 | 44,568 | 175,092 | 48,272 |
| Totals in United States | 314,323 | | 218,774 | | 223,364 | |

* Only "Total" turpentine stocks at these points were given in the 1936-37 report. The segregated figures given above are "estimates," based on the segregated gum and wood figures given in the 1937-38 annual report. The estimated division of 1937 total figures reported is:—Gum, 65 percent, and wood, 35 percent.

*—Continued on page 37*

## Fertilizer Industry Wages Set for Government Bids

*OPD Washington Bureau*
*September 6, 1939*

Minimum wages for the fertilizer industry pursuant to the provision of the Walsh-Healey act have been established by the Secretary of Labor. The minimum wages are to apply to bids solicited by government agencies on or after September 12.

These minimum wages are to apply to employees engaged in the performance of contracts, when the amount involved in the contract is $10,000 or more, with agencies of the United States government for the manufacture or supply of superphosphate and concentrated superphosphates; and for the manufacture or mixing of concentrated fertilizer from superphosphates, potash, and ammoniates. The minimum wages are as follows:—

For the New England States, and New York, New Jersey, Pennsylvania, Delaware, except Kent and Sussex counties, Maryland, except the Eastern shore, West Virginia, Ohio, Indiana, Michigan, Wisconsin, Illinois, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, Kansas, and the District of Columbia, 40 cents an hour, or $16 per week of forty hours.

For Kent and Sussex counties of Delaware, the Eastern shore of Maryland, Virginia, Tennessee, and Kentucky, 30 cents an hour, or $12 per week of forty hours.

For North and South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Oklahoma, and Texas, 25 cents an hour, or $10 per week of forty hours.

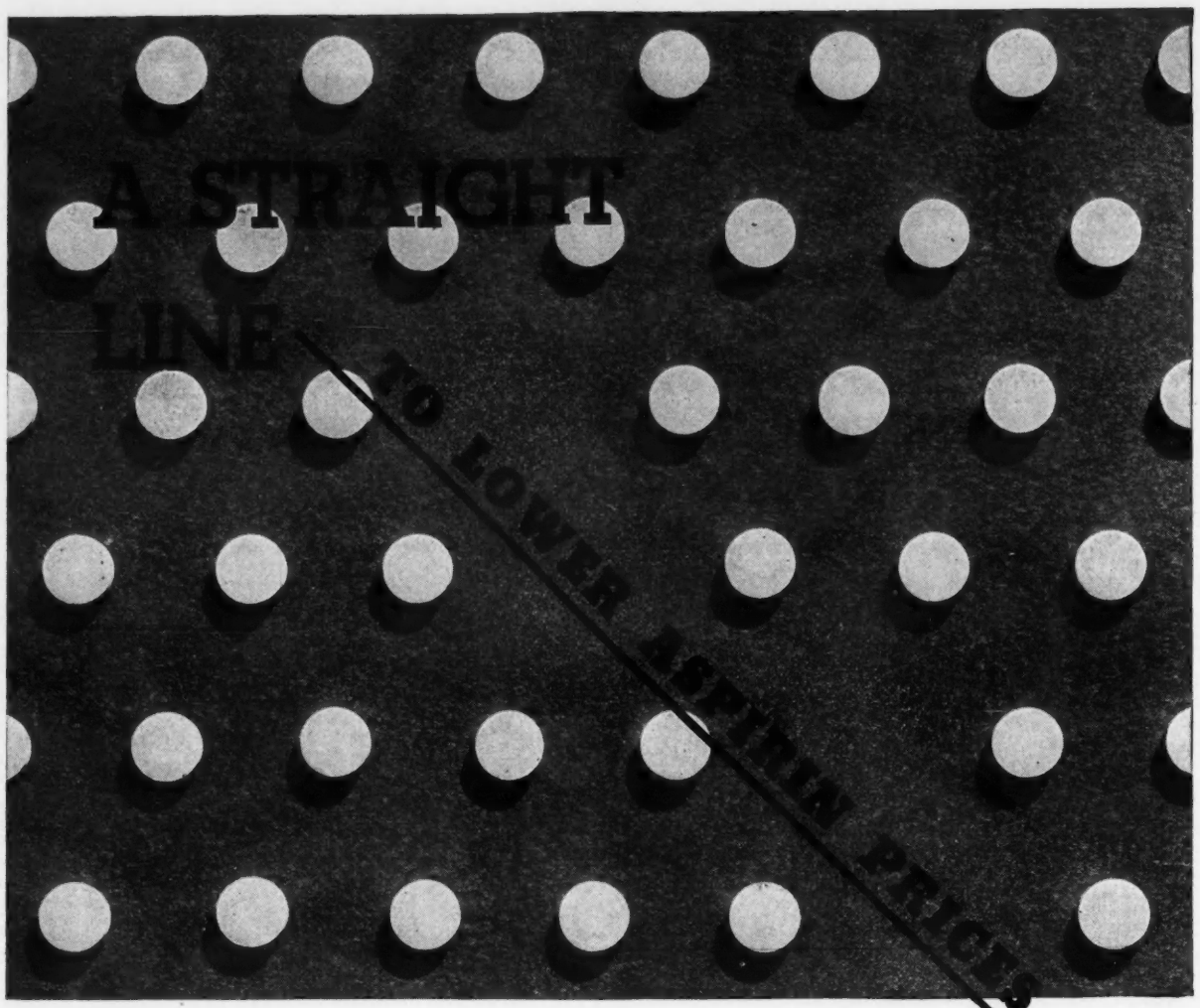
For New Mexico, Colorado, Wyoming, Montana, Idaho, Utah, Arizona, Nevada, California, Oregon, and Washington, 50 cents an hour, or $20 per week of forty hours.

## Michigan Alkali Names Finch Sales Head

Ernest V. Finch has been appointed executive in charge of sales of the Michigan Alkali Company, this city. The appointment of Mr. Finch has been occasioned by the prolonged illness of Irving Taylor, director of sales. Mr. Finch has long been prominently identified with the alkali industry, being president of the U. S. Alkali Export Association, and which office he is also expected to retain.

SEP 1939 XUM

# A Guaranty of MERCK Purity & Reliability




The shortest distance between two points is a straight line. That is the principle on which "straight-line" volume production has proved to be economically sound in a number of industries, because it results in lowered costs of production and savings which can be passed along to consumers.

As manufacturers of fine chemicals we have applied this principle in many cases to the advantage of our customers. For example, by standardizing on the "mesh" specifications for Acid Acetylsalicylic Merck U.S.P. we have been able to lower production costs and to offer the product at new low prices.

***These "Standard" grades of Acid Acetylsalicylic Merck are now available in six convenient forms:***

**ACID ACETYLSALICYLIC U. S. P. STANDARD NO. 20 CRYSTALS**

*Specifications:* Screen on No. 20 Mesh—Trace
Screen on No. 30 Mesh— 5 to 10%
Screen on No. 45 Mesh—45 to 60%
Screen on No. 60 Mesh—70 to 85%
Through No. 100 Mesh—10% max.

**ACID ACETYLSALICYLIC U. S. P. STANDARD NO. 40 CRYSTALS**

*Specifications:* Screen on No. 40 Mesh—Trace
Screen on No. 50 Mesh—10 to 20%
Screen on No. 80 Mesh—45 to 60%
Through No. 140 Mesh—25% max.

**ACID ACETYLSALICYLIC U. S. P. STANDARD POWDER**

*Specifications:* All through a No. 60 Mesh Screen. Not over 2% retained on No. 80 Mesh.

**ACID ACETYLSALICYLIC WITH 10%—16%—20% STARCH WHITE STANDARD**

*Specifications:* Screen for all percentages of Starch.
on No. 12—Trace
on No. 14— 5 to 15%
on No. 16—20 to 35%
on No. 20—60 to 75%
Through No. 40—Not over 10%

"Standard" Starch Granulations are offered in WHITE only. Grades having a "Mesh Specification" different from the "Standard" forms, as well as 10 per cent Starch Granulation Pink and Green, are available at a slightly higher price.

***We shall welcome your inquiries for quotations. Samples for experimental purposes will be supplied on request. Ample stocks of all grades are available for prompt shipment.***

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.
New York Philadelphia St. Louis
*In Canada:* Merck & Co. Ltd., Montreal and Toronto

# Current Market Quotations

## September 8, 1939

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**When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.**

RECEIVED SEP 11 1939 LIBRARY THE CHEMISTS' CLUB

## A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100 lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs., 2,000 lb. lots.....lb. .34 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms, c.l., dlvd....lb. .05¾ .06
l.c.l., dlvd.....lb. .06¼- .06½
tanks, dlvd.....lb. .04¼- .05
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E of and including Kans., Neb., N.D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, comi. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
pure, 80%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys, c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .69
dms., 4,600 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - (57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd. ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.118.00 -123.00
powd., bbls., contracts, 80 tons, dlvd., ton..111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —
c.l., dlvd.....ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12½- .13
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .13½- .14½
Chlorosulphonic, dms., c.l., works..lb .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Acid Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
Dms., smaller quantities, dlvd., N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., grain., bbls., car lots..lb. .20 - —
10,000-lb, lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .09¾- .10¼
Corn, dist., dms.....lb. .09½ Nom.
Cottonseed oil, dist., dms....lb. .07½- .08
tanks .....lb. .07 - —
Cresylic, high-boil, dom., c.l., works, frt equid..gal. .49 - —
l.c.l., same basis.....gal. .50 - —
Special blends, dom., c.l., frt. equaled..gal. .58 - —
l.c.l., same basis.....gal. .59 - —
low-boil, dms., c.l., works frt. equaled..gal. .55 - —
l.c.l., same basis.....gal. .56 - —
imported, pale, dms.....gal. .65 Nom.
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital)
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .75
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls.....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .07½
lead cbys.....lb. .09 - .09½
48%, lead cbys.....lb. .11½- .12
52%, lead cbys.....lb. .12½- .13
60%, lead cbys.....lb. .15 - .15½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, dms..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10¼- .11½
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade .....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms....lb. .13¼- .14
Laurent's, bbls. .....lb. .45 - —
Linseed oil, dark, dms.....lb. .11½ Nom.
light, dms.....lb. .12½ Nom.
extra white, dist., dms...lb. .13¾- .14¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l. .....lb. .25 - —
dms., l.c.l. .....lb. .26 - —
Malic powd., kegs.....lb. .47 - —
Mandelic, bots. .....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works .....100 lbs. 1.65 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l. 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9 works..100 lbs. 2.70 - —
tanks, works .....100 lbs. 1.15 - —
Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works .....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .16½- .16¾
Naphthenic, acidity, 128-200 dms., c.l..lb. .07 Nom.
210-230, dms., c.l.....lb. .09 Nom.
240-280, dms., c.l.....lb. .10 Nom.
Sludge, dms., c.l.....lb. .05 Nom.
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9 works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works.. 100 lbs. 5.50 - —
Western works....100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
40°, cbys., c.l., E. works.. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works.. 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP., dealers, cbys...lb. .11¼- —
7-lb. bots.....lb. .22¼- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07 - .07½
tanks .....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1.347 cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., dms..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.62
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l. split (see Acid, castor oil, split), tech. dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, distil., double pressed, bgs., dlvd..lb. .12 - .13
single pressed, bgs., dlvd..lb. .11½- .12½
triple pressed, bgs., dlvd...lb. .14¾- .15¾
saponif., double pressed, bgs., dlvd..lb. .12¼- .13¼
triple pressed, bgs., dlvd...lb. .15 - .16
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.66
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100lbs. 1.25 - —
l.c.l., 25 and over, works, 100lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
l.c.l., 25 and over, works.. 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP, dealers, cbys...lb. .06½- —
9-lb. bots.....lb. .16¼- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.— 100-lb. lots.....lb. .90 - —
25-lb. lots.....lb. .93 - —
powd., bbls., 1,000 lbs.....lb. .78 - —
smaller lots.....lb. .80 - —
Tartaric, USP, dom., cryst. gran., powd., bbls., 10,000 lbs. or more, one shipment. lb. .27½- —
kgs. .....lb. .28½- —
smaller quantities.....lb. .27¾- —
Tobias, bbls.....lb. .60 - .65
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., wks....lb. No prices
Chem. grade, kgs., wks....lb. No prices
Aconite, leaves, bls.....lb. .33 - .35
Root, bls.....lb. .38 - .40
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adepa lanae, anhyd., dms.....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. 1.50 Nom.
3, bls.....lb. No price
Agaric, white, bls.....lb. No prices
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —

## Acacia—Aldol

Albumen, blood, light, dom., flake, dms., f.o.b. Chicago, frt alld. lb. .52 - .60
import, bgs.....lb. .60 Nom
egg, ed., dom., cryst., bbls...lb. .62 - .65
dom., pwd., dms., bbls., lb. .67 - .70
import, cs.....lb. .65 - .67
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .12½- .14¼
dms., c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
tankwagon, frt. alld.....lb. .07½- —
secondary, dms., c.l., frt. pd., E. of Miss. R.....lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
tertiary, denaturing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.80
Denatured, CD14, dms., c.l., works, E..gal. .27½- —
l.c.l., works, dms.....gal. .31½- —
tanks, E., works.....gal. .21½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher. Tankcar sales require written authorisation by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .26½- —
19 bbls., E. works...gal. .28½- —
1 to 18 bbls., E. works, gal. .31½- —
dms., c.l., E. works....gal. .25½- —
19 dms., E. works....gal. .27½- —
gal. .30½- —
tanks, E. works.....gal. .19½- —

Anhydrous, 2c. per gal. higher.

SD-2B., dms., c.l., works, E. gal. .24½- —
19 dms., works, E...gal. .26½- —
1 to 18 dms., works, E. gal. .29½- —
tanks, E., works.....gal. .18½- —

SD-2B-G, works, E., dms..gal. .30 - —
19 dms. .....gal. .32 - —
1 to 18 dms.....gal. .35 - —
tanks .....gal. .24 - —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Special solvent, dms., c.l., E. works..gal. .26½- —
20 dms., E. works...gal. .28½- —
1 to 19 dms., E. works, gal. .31½- —
tanks, E. works.....gal. .20½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, contract, dms., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
cns., works.....lb. .13½- .15½
tanks, dlvd.....lb. .08 - —
tech., contract, dms., c.l., dlvd..lb. .08½- —
l.c.l. dlvd.....lb. .09 - —
cns., works.....lb. .13 - .15
tanks, dlvd.....lb. .07½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.53 - —
19 bbls.....gal. 4.56½- —
1 to 18 bbls.....gal. 4.59½- —
dms., c.l.....gal. 4.52 - —
19 dms.....gal. 4.55½- —
1 to 18 dms.....gal. 4.58½- —
tanks .....gal. 4.46 - —
absolute, dms., c.l.....gal. 4.79½- —
19 dms.....gal. 4.83 - —
1 to 18 dms.....gal. 4.86 - —

Grain alcohol 25c. gal higher.

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies..lb. .0680- —
l.c.l., same terms.....lb. .0730- —
tanks, same terms.....lb. .0580- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .35½- —
tanks, frt., alld.....gal. .28½- —
90%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis ....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.50 - 3.25
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat, grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —

## Aletris Rt.—Ammonia Stearate

| | | | |
|---|---|---|---|
| Aletris root, bgs. | lb. | .39 - | .40 |
| Alizarin (see Red, alizarin). | | | |
| Alkanet root, bgs. | lb. | .85 - | .90 |
| Aloe, Barbados, true, cs. | lb. | .18½- | .20 |
| Cape, cs. | lb. | .43 - | .44 |
| Curacao, cs. | lb. | .80 - | .85 |
| gourds, bbls. | lb. | .43 - | .45 |
| Socotrine, kgs. | lb. | 2.95 - | — |
| Aloin, 140-lb. bbls. works. | lb. | 2.97 - | — |
| 100-lb. kgs. | lb. | 3.04 - | — |
| 25-lb. fib. dms. | lb. | .52 - | — |
| Alphanaphthol, bbls. | lb. | .32 - | — |
| Alphanaphthylamine, bbls. | lb. | .38 - | .48 |
| Althea root, USP, cube cut, bbls., | lb. | .32 - | .42 |
| peeled, bls. | lb. | .16 - | .18 |
| Alum, ammonia, burnt, USP, bbls., kgs. | lb. | 2.15 - | — |
| gran., bbls., works | 100 lbs. | 2.15 - | — |
| dlvd. N.Y., Phila. | 100 lbs. | 2.40 - | — |
| lump, bbls., works | 100 lbs. | 2.40 - | — |
| dlvd., N.Y., Phila. | 100 lbs. | 2.55 - | — |
| powd., bbls., works | 100 lbs. | 2.55 - | — |
| dlvd. N. Y., Phila. | 100 lbs. | | |

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.

| | | | |
|---|---|---|---|
| Potash, gran., bbls., works | 100 lbs. | 3.40 - | — |
| dlvd., N.Y., Phila. | 100 lbs. | 3.40 - | — |
| lump, bbls., works | 100 lbs. | 3.65 - | — |
| dlvd. N.Y., Phila. | 100 lbs. | 3.80 - | — |
| powd., bbls., works | 100 lbs. | 3.80 - | — |
| dlvd., N.Y., Phila. | 100 lbs. | 3.80 - | — |

Potash alum prices on same basis as those for ammonia alum.

| | | | |
|---|---|---|---|
| Potash-chrome, bbls. | lb. | .16¼ | Nom. |
| Soda, bbls., c.l., works | 100 lbs. | 3.25 - | — |
| l.c.l., dlvd. | 100 lbs. | 4.25 - | 5.00 |
| Alumina acetate, 20%, normal solut., bbls., c.l., dlvd. | lb. | .07½- | — |
| l.c.l., dlvd. | lb. | .09 - | — |
| 28%, basic solut., bbls., c.l., dlvd. | lb. | .10 - | — |
| l.c.l., dlvd. | lb. | .12 - | — |
| basic powd., bbls., dlvd. | lb. | .40 - | — |
| smaller containers, dlvd. | lb. | .50 - | — |
| Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works | lb. | .06 - | — |
| 12,000 to 40,000 lbs., works | lb. | .07 - | — |
| 1,100 to 11,000 lbs., works, | lb. | .08 - | — |
| 140 to 875 lbs., works. | lb. | .09 - | — |
| 100 lbs., or less, works. | lb. | .10 - | — |
| cryst., com'l, dms., c.l., works | lb. | .06 - | — |
| l.c.l., dms., works | lb. | .06½- | — |
| solution, 32 deg., cbys., c.l., works | lb. | .02½- | — |
| l.c.l., cbys., works | lb. | .03½- | — |
| Formate, 30%, solut., bbls., c.l., dlvd. | lb. | .13 - | — |
| l.c.l., dlvd. | lb. | .15 - | — |
| Hydrate, heavy, bbls., c.l., works | lb. | .0290- | — |
| l.c.l., bbls., works | lb. | .03½- | — |
| bgs., c.l., works | lb. | .0260- | — |
| light, bgs., c.l., dlvd. | lb. | .12 - | — |
| l.c.l., bgs., dlvd. | lb. | .12½- | — |
| bbls., c.l., dlvd. | lb. | .12½- | — |
| l.c.l., bbls., dlvd. | lb. | .13 - | — |
| Aluminum, oleate, dms., contro., | lb. | .16¾- | — |
| open order | lb. | .17½- | .18½ |
| Palmitate, precip., bbls. | lb. | .23 - | — |
| Resinate, precip., dms., dlvd. | lb. | .15 - | — |
| Stearate, precip., bbls., ctns., c.l. | lb. | .16 - | — |
| l.c.l., ton | lb. | .17 - | — |
| less than ton | lb. | .21 - | — |
| Sulphate, com'l, bgs., c.l., works, frt. equald. | 100 lbs. | 1.15 - | — |
| l.c.l., works, frt. equald. | 100 lbs. | 1.40 - | — |
| bbls., c.l., works, frt. equald. | 100 lbs. | 1.35 - | — |
| l.c.l., works, frt. equaled | 100 lbs. | 1.60 - | — |
| iron-free, bgs., c.l., works. | 100 lbs. | 1.30 - | — |
| l.c.l., works | 100 lbs. | 1.55 - | — |
| bbls., c.l., works | 100 lbs. | 1.50 - | — |
| l.c.l., works | 100 lbs. | 1.75 - | — |
| Aluminum, 98-99%, c.l. | lb. | .20 - | — |
| l.c.l. | lb. | .21 - | — |
| paste, lining, extra fine, dms., | 1,500 lbs. lb. | .63 - | — |
| ink, dms., | 1,500 lbs. lb. | .70 - | — |
| standard, dms., | 1,500 lbs. lb. | .40 - | — |
| powder, lining, extra fine, dms., | 1,500 lbs. lb. | .92 - | — |
| standard, dms., | 1,500 lbs. lb. | .57 - | — |
| litho, extra brilliant, dms., | 1,500 lbs. lb. | .43 - | — |
| extra fine, dms., | 1,500 lbs. lb. | .47 - | — |
| lining, dms., | 1,500 lbs. lb. | .57 - | — |
| standard, dms., | 1,500 lbs. lb. | .43 - | — |
| rubber compound, dms., | 1,500 lbs. lb. | .40 - | — |
| unpolished, dms., | 1,500 lbs. lb. | .37 - | — |
| varnish, extra brilliant, dms., | 1,500 lbs. lb. | .43 - | — |
| extra fine, dms., | 1,500 lbs. lb. | .47 - | — |
| standard, dms., | 1,500 lbs. lb. | .40 - | — |

Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for partial shipments on contracts, prices are 8c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 20,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

| | | | |
|---|---|---|---|
| Ambergris, gray, tins | oz. | 17.00 - | 26.00 |
| Aminopyrine, fib., dms., 100 lbs. | lb. | 4.00 - | — |
| bots., 5 lbs. | lb. | 4.22 - | 4.26 |
| Ammonia, acetate, bbls., kgs., dlvd. | lb. | .27 - | .33 |
| dms., dlvd. | lb. | .23 - | .26 |
| Aldehyde, dms. | lb. | .65 - | .70 |
| Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works | lb. | .04½- | — |
| refrigeration, tanks, works. | lb. | .05 - | — |
| pure, cyls., dlvd., met. N.Y. | lb. | .16 - | — |

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

| | | | |
|---|---|---|---|
| Aqua, 26°, cbys. | lb. | .05 - | — |
| dms., c.l. | lb. | .02 - | — |
| l.c.l. | lb. | .02¼- | — |
| tanks (on $NH_3$ content), f.o.b. S. Chicago or Detroit, | lb. | .04 - | — |
| Ammonia, aqua, grade B (ammonia liquor) tanks (on $NH_3$ content), f.o.b. Chicago or Detroit | lb. | .03¾- | — |
| Benzoate, dms., 4,000 lbs. or more | lb. | .40 - | .42 |
| 1,000 lbs. to 3,900 lbs. | lb. | .41 - | .43 |
| 900 lbs. or less | lb. | .42 - | .46 |
| kgs., 4,000 lbs. or more | lb. | .40 - | — |
| 1,000 lbs., to 3,900 lbs. | lb. | .41 - | — |
| 900 lbs. or less | lb. | .42 - | — |
| Bicarbonate, bbls., c.l., works. | 100 lbs. | 5.15 - | — |
| l.c.l., dlvd., N. Y. | 100 lbs. | 5.71 - | — |
| Bichromate, bbls. | lb. | .20 - | .23 |
| Bifluoride, bbls. | lb. | .14½- | .16½ |
| Borate, bbls., kgs. | lb. | .15 - | .16 |
| Bromide, gran., bbls. | lb. | .33 - | .39 |
| bxs. | lb. | .36 - | — |
| kgs. | lb. | | |
| Carbonate, tech., dom., bbls. | lb. | .05 - | .12½ |
| imported, csks. | lb. | .06 - | .12½ |
| USP, lump, dms. | lb. | .08 - | .17 |
| powd., bbls., dms. | lb. | .09 - | .20 |
| Chloride, tech. (see Ammoniac, sal). | | | |
| USP, gran., 225 lb. bbls. | lb. | .12 - | .18 |
| 100 lb. kgs. | lb. | .15 - | — |
| Citrate, dms. | lb. | .80 - | — |
| cns. | lb. | .55 - | — |
| Fluoride, bbls. | lb. | .17 - | .19 |
| Hydroxide, (see Ammonia, aqua), | | | |
| Hypophosphite, dms. | lb. | 1.25 - | 1.27 |
| jars | lb. | 1.35 - | — |
| Iodide, 5-lb. bots. | lb. | 3.52 - | — |
| jars | lb. | 3.45 - | — |
| Linoleate, 80%, anhyd., bbls. | lb. | .11 - | — |
| Molybdate, kgs., wks. | lb. | 1.05 - | 1.20 |
| Nitrate, tech., bgs., c.l., works | 100 lbs. | 3.60 - | — |
| l.c.l., works | 100 lbs. | 3.80 - | — |
| bbls., c.l., works | 100 lbs. | 3.80 - | — |
| l.c.l., works | 100 lbs. | 4.05 - | — |
| Oleate, dms. | lb. | .11 - | — |
| Oxalate, neutral, powd., bbls., kgs. | lb. | .19 - | .30 |
| pure, gran. | lb. | .32 - | — |
| Perchlorate, kegs | lb. | .16 - | .18 |
| Persulphate, kgs. | lb. | .21 - | .22 |
| Phosphate, dibasic, N.F.V., bls., | lb. | .37 - | — |
| kgs. | lb. | .39 - | — |
| tech., bbls., c.l. | lb. | .07½- | — |
| l.c.l. | lb. | .09 - | .10 |
| monobasic, crude (fert. grade), 11% N 48% phos- bulk, f.o.b. E. works | unit-ton | 1.20 & | .70 |
| pure, bbls. | lb. | .40 - | .45 |
| tech., bbls., c.l. | lb. | .07½- | — |
| l.c.l. | lb. | .09 - | .10 |
| Salicylate, U.S.P., kgs. | lb. | 1.15 - | 1.20 |
| Silicofluoride, imp., 350-lb. bbls., f.o.b. N.Y. | lb. | .09 - | — |
| 5 bbls., same basis. | lb. | .09½- | — |
| Stearate, anhydrous | lb. | .22 - | — |
| paste | lb. | .06½- | — |
| Sulphate, dom., bulk, c.l., f.o.b. Sept. shipt. | ton | 27.00 - | — |

Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.

| | | | |
|---|---|---|---|
| Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd. | lb. | .08 - | — |
| l.c.l., works | lb. | .12 - | .13 |
| tanks, dlvd. | lb. | .07½- | — |
| Ammonia, sulphide, red, 48%, cbys., works | lb. | .07½- | — |
| dms., works | lb. | .05½- | — |
| yellow, 32%, cbys., works | lb. | .07½- | — |
| dms., works | lb. | .05½- | — |
| Sulphocyanide, pure, 99-100%, kgs. | lb. | .55 - | .75 |

| | | | |
|---|---|---|---|
| Ammoniac, gum (see Gum, ammoniac). | | | |
| sal, gray, dom., bbls., c.l., | 100 lbs. | 5.50 - | 5.75 |
| l.c.l. | 100 lbs. | 6.00 - | 6.70 |
| white, gran., dom. bbls., | | | |
| contracts, N. Y., l.c.l. | 100 lbs. | 4.90 - | 5.05 |
| import, csks. | 100 lbs. | No prices | |
| Amyl acetate, ex fusel oil, dms., c.l., dlvd. | lb. | .11½- | .13½ |
| l.c.l., dlvd. | lb. | .12 - | .14 |
| tanks, dlvd. | lb. | .10½- | .12½ |
| cns., works. | lb. | .16 - | .18 |
| ex pentane, dms., c.l., frt., alld. | lb. | .10½- | — |
| l.c.l., frt., alld. | lb. | .11½- | — |
| tanks, frt., alld. | lb. | .09½- | — |
| Alcohol (see Alcohol amyl). | | | |
| Butyrate, dms., 50 gal., returnable | lb. | .73 - | — |
| Caproate, cns. | lb. | 2.75 - | — |
| Chloride, normal, dms., works, | lb. | .56 - | — |
| small lots, works. | lb. | .68 - | — |
| mixed, tech., dms., c.l., works. | lb. | .0565- | — |
| l.c.l., works | lb. | .0665- | — |
| tanks, works | lb. | .0465- | — |
| Nitrite, bots. | lb. | 1.90 - | 1.85 |
| Mercaptan, dms., l.c.l., works. | lb. | 1.10 - | — |
| Oleate, dms., l.c.l., works. | lb. | .25 - | — |
| Salicylate, bots., 5 lbs. | lb. | .61 - | — |
| cns., 25 lbs. | lb. | .51 - | — |
| Stearate, dms., l.c.l., works. | lb. | .26 - | — |

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Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.00 - 1.05
Angelica root, dom., bls.....lb. .23 - .24
import, natural, bls.....lb. .34 - .40
twisted, bls. .....lb. .39 - .43
Angostura bark, bls.....lb. .40 - .41
Aniiin oil, dms., c.l.....lb. .15 -
l.c.l. .....lb. .16 - —
tanks .....lb. .14½ - —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .20 - .25
Star, bgs. .....lb. .18 - .19
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .54 - .59
seed, bgs.....lb. .06½ - .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
80%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.0%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot .....lb. .12 - —
Needle, powd., bbls., kgs....lb. .20 Nom.
Oxide, bgs., c.l., dlvd.....lb. .11 - —
l.c.l., ex whse.....lb. .11½ - .11¾
Salts, 65%, kgs.....lb. .35½ - .37
White pigment, bgs., f.o.b. Laredo, Tex..lb. .11½ - .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 - 26.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .09 - .10
Arecoline hydrobromide, bots..oz. 4.65 - 4.90
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos.82.00 -84.00
Arnica flowers, bls.....lb. .35 - .75
Root, bls. .....lb. .36 - .37
Arrowroot, St. Vincent, powd. bgs..lb. .08 - .08¾
bbls. .....lb. .08½ - .09
Arsenic, metal, lump, cs.....lb. .40 - .41
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.35 - —
jars .....lb. 5.20 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .05 - —
l.c.l. .....lb. .06¾ - —
Asafetida, cs. .....lb. .23 - .24
powd., bbls., bxs.....lb. .40 - .45
Asbestine (see Talc, N. Y. fibrous)
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.43 50 -
5R, bgs., c.l. (20 tons), Canad. mines. ton.40.00 - —
6D, bgs., c.l. (20 tons), Canad. mines..ton.30.00 - —
7D, bgs. c.l. (20 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (20 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (20 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (20 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (20 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½ - —
smaller lots, f.o.b. N. Y.lb. .03½ - —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .03½ - —
smaller lots, f.o.b. N. Y..lb. .10½ - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.51.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½ - —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 4.50 - 5.00
Sulphate, bots. .....oz. 2.60 - —
cns. .....oz. 2.50 - —

# B

Balm of Gilead buds, bgs....lb. .45 - .50
Barberry bark, bgs.....lb. .23 - .24
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.00 - 3.10
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton.41.00 -43.00
99% thru 200 mesh, bgs., c.l., works..ton.43.00 -45.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.56.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —
bbls., c.l., works.....ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .16½ - .17½
Chloride, C.P., cryst., bbls..lb. .25 - —
kgs. .....lb. .27 - —
tech., domes., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. & S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
bbls., l.c.l., bgs., same basis..ton.94.00 - —
bbls., same basis..ton.96.00 - —

Barium chloride, Zone 2, bgs., c.l., Miss., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz.....ton.87.00 - —
bbls., same basis..ton.89.00 -
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.88.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 -
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls. .....lb. .14 - .15
Fluosilicate, bbls. .....lb. .16 - —
Hydrate (see Hydroxide)
Hydroxide, bbls. .....lb. .04½ - .05
Iodide, bots.....lb. 4.45 - 4.60
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¾ Nom.
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.35.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City .....ton.30.98 - —
Los Angeles .....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.00 -
San Francisco.....ton.42.00 -
Toronto .....ton.30.50 -
southern off color, bulk, mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a...ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
German, ungrd., bulk, c.l., ex dock..ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a...ton.29.50 Nom.
l.c.l., ex whse. .....ton.32.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .26 - .28
Root, bls. .....lb. .33 - .34
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha gal. .16 - —
W. Coast, f.o.b. Minneques, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .71 - —
dms. .....lb. .67 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns. .....lb. 4.15 - 4.60
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.00
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns. .....lb.16.75 - —
Sulphate, cns. .....lb.16.75 - —
Berberis root, bls.....lb. .11 - .13
Betanaphthol, sublim., kgs.....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls. .....lb. .18 - .21
Bismuth chloride, 5-lb. bots...lb. 2.90 - 3.20
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.66 - —
Bismuth, hydroxide, 5-lb. bots..lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.10 - —
Nitrate, cryst., 5-lb. bots...lb. 1.54 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs. .....lb. 2.95 - —
Subbensoate, 5-lb. bots.....lb. 3.36 - —
fib., dms.....lb. 1.18 - 1.10
Subcarbonate, bots., cns.....lb. 1.52 - 1.78
fib. dms. .....lb. 1.45 - 1.40
X-ray, 5-lb. bots.....lb. 2.49 - —
fib., dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.67 - 1.80
fib. dms.....lb. 1.58 - 1.61
Subiodide, cns.....lb. 3.01 - —
fib., dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.32 - 1.50
fib. dms. .....lb. 1.25 - 1.30
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½ -
1, bbls., bgs., c.l., frt. alld. E.....lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½ -
2, bbls., bgs., c.l., frt. allds., E...lb. .10½ - —
l.c.l., frt. allds. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. allds. E. lb. .09½ - —
l.c.l., frt. allds. E.....lb. .10 - —
4, bbls., c.l., frt. allds. E...lb. .08½ - —
l.c.l., frt. allds. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. allds. E.lb. .07½ - —
l.c.l., frt. allds. E.....lb. .08½ - —
6, bbls., c.l., frt. allds. E...lb. .06½ - —
l.c.l., frt. allds. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. allds E. lb. .09 - —
l.c.l., frt. allds. E.....lb. .06½ - —

Black acetylene, S, bbls., bgs., c.l., frt. allds. E..lb. .10 - —
c.l., frt. allds. E.....lb. .10½ -
Bone black prices on Pacific Coast are 1c per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., dlvd..lb. .03½ - .04½
ogs., ctns., l.c.l., dlvd..lb. .06½ - —
cs., l.c.l., dlvd.....lb. .07½ - —
2, bgs., c.l., works.....lb. .06½ - —
c.l., dlvd.....lb. .10½ - —
c.l., l.c.l., dlvd.....lb. .12 -
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½ - —
cs., l.c.l., dlvd.....lb. .16½ - —
4, bgs., c.l., works.....lb. .29 - —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works...lb. .40 - —
cs., c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., cs., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra)..lb. .02¾ - —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310 - —
50,000 lbs., dlvd., Zone C (Pac. Cst., States)..lb. .0319 - —
30,000 lbs., dlvd., Zone C, (Pac. Cst. States)..lb. .0335 - —
D (Ill., Ia., Wis.)...lb. .03¼ - —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)....lb. .0341 - —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾ - —
G (Mexico), f.o.b. border..lb. .03 - —
f.o.b. N. Orleans.lb. .0290 - —
l.c.l., f.o.b. whse.....lb. .05½ - —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼ - —
Black, carbon, standard, bulk, price as bags in each zone, tanks, same cs., l.c.l., dlvd.....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s., Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾ - .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾ - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b., N.Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. 13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls, c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls., works or N. Y., lb. .04¼ - —
B bbls., works or N. Y ...lb. .05½ - —
Black dyes are listed under dyes.
Black Haw, root bark, bls....lb. .20 - .21
Tree bark, bls.....lb. .11 - .12
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l...ton.60.00 - —
l.c.l. .....ton.65.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.75.00 - —
l.c.l., same basis....ton.80.00 - —
pulp 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.00 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.25 - —
import, bgs., c.i.f. ports, shpt., unit-ton. 2.85 Nom.
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner contracts..lb. .26 - —
open order.....lb. .27 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .26 - —
open order.....lb. .27 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. allds..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .26 - —
open order.....lb. .27 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .26 - —
open order.....lb. .27 - —
soluble, bbls., same basis alkali toner, contracts, lb. .26 - —
open order.....lb. .27 - —
Tungstated, peacock, kgs....lb. 2.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27

## Amylene—Butyl Carbinol

Ultramarine, blue, dlvd., ex whse., 1c lo. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.80 - —
Blue dyes are listed under Dyes.
Blueflag root, bls. .....lb. .13 - .14
Blue mass USP., cns.....lb. 1.16 - —
powd., cns.....lb. 1.18 - —
Blue vitriol, 99% cryst., bbls., c.l., f.o.b., works...100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis.....100 lbs. 5.20 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.15 - 9.40
l.c.l. dealer.....100 lbs.10.15 -10.40
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.27.00 - —
import, bgs., c.i.f. ports.ton.24.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago.,ton.26.00 - —
import, 100-lbs. bgs., c.i.f ports, shipt..ton.24.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1½% ammon., 60% phos. bgs., f.o.b., Chicago..ton.26.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.24.50 - —
Boneset leaves, bales.....lb. .08 - .09
Borage flowers, bales.....lb. .20 - .23
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
gran., sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse...ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
USP, 615 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½ —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .55
moulding, cns., dms., over 10 lbs..lb. .65 - .90
Bronze, printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .14½
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, iron oxide, bbls., works, lb. .02½ - —
paper bags, c.l., works....lb. .0210 - —
Sienna, burnt, American bbls., works..lb. .03 - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½ - —
2, bbls., same basis...lb. .11½ - —
3, bbls., same basis...lb. .10½ - —
4, bbls., same basis...lb. .08½ - —
5, bbls., same basis...lb. .08½ - —
6, bbls., same basis...lb. .08½ - —
7, bbls., same basis...lb. .08 - —
8, bbls., same basis...lb. .07½ - —
9, bbls., same basis...lb. .07½ - —
10, bbls., same basis..lb. .06½ - —
11, bbls., same basis..lb. .06½ - —
12, bbls., same basis..lb. .06½ - —
13, bbls., same basis..lb. .06 - —
14, bbls., same basis..lb. .05½ - —
raw, American, bbls., works, lb. .02½ - —
Italian, Group 1, bbls., f.o.b. N.Y. or works...lb. .12½ - —
Group 2, bbls., same basis, lb. .10½ - —
3, bbls., same basis...lb. .11 - —
4, bbls., same basis...lb. .09½ - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½ - —
7, bbls., same basis...lb. .07½ - —
8, bbls., same basis...lb. .07½ - —
9, bbls., same basis...lb. .06½ - —
10, bbls., same basis..lb. .06 - —
11, bbls., same basis..lb. .05 - —
umber, American, bbls., works, lb. .02½ - —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04½ - —
ex car Los Angeles...lb. .04½ - —
ex dock, Portland, San Francisco, Seattle..lb. .04¾ - —
Boston .....lb. .04½ - —
Chicago, Indianapolis, New Orleans.....lb. .04¾ - —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04¾ - —
Minneapolis .....lb. .0483 - —
Pittsburgh .....lb. .04¼ - —
Vandyke, bbls., l.c.l.....lb. .05¾ - —
Walnut crystals, bbls.....lb. .05½ - .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .15 - .17
Buchu leaves, bls.....lb. .34 - .35
Buckthorn bark, true, bls.....lb. .09 - .10
cut and sifted, bbls.....lb. .13 - .14
Berries, bgs.....lb. .28 - .29
Burdock root, bls.....lb. .12 - .15
Burgundy pitch, dom., bbls...lb. .05 - .06¼
Butane, comL, 16-34°, tanks, group 3..gal. .02½ - .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., works..lb. .12½ - .14½
dms., c.l., frt. allds.....lb. .06 - —
l.c.l., frt. allds.....lb. .06½ - —
tankwagons, frt. allds.....lb. .07 - —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .06½ - —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½ - —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - .17½
tanks, works.....lb. .14½ - —
Carbinol (see Carbinol).

SEP 1939

### Butyl Chloride—Chamomile

| | | | |
|---|---|---|---|
| Butyl chloride, normal, dms., c.l., works | lb. | .2[illegible] | - - |
| l.c.l. | lb. | .38 | - — |
| Crotonate, normal, 55 gal. dms., dlvd. | lb. | .35 | - — |
| 5 gal. cns. | lb. | .75 | - — |
| 1 gal. cns. | lb. | 1.00 | - — |
| **Butyl, ether (see under Ether).** | | | |
| **Lactate, dms** | lb. | .22½ | - — |
| **Propionate, dms., dlvd.** | lb. | .16½ | - .17 |
| tanks | lb. | .15½ | - — |
| Stearate, dms. | lb. | .20 | - — |
| **Butyric ether, bots.** | gal. | 6.60 | - 6.95 |
| **cns., works** | lb. | .65 | - .7u |
| **dms., frt. alld. Met. N. Y.** | lb. | .60 | - — |

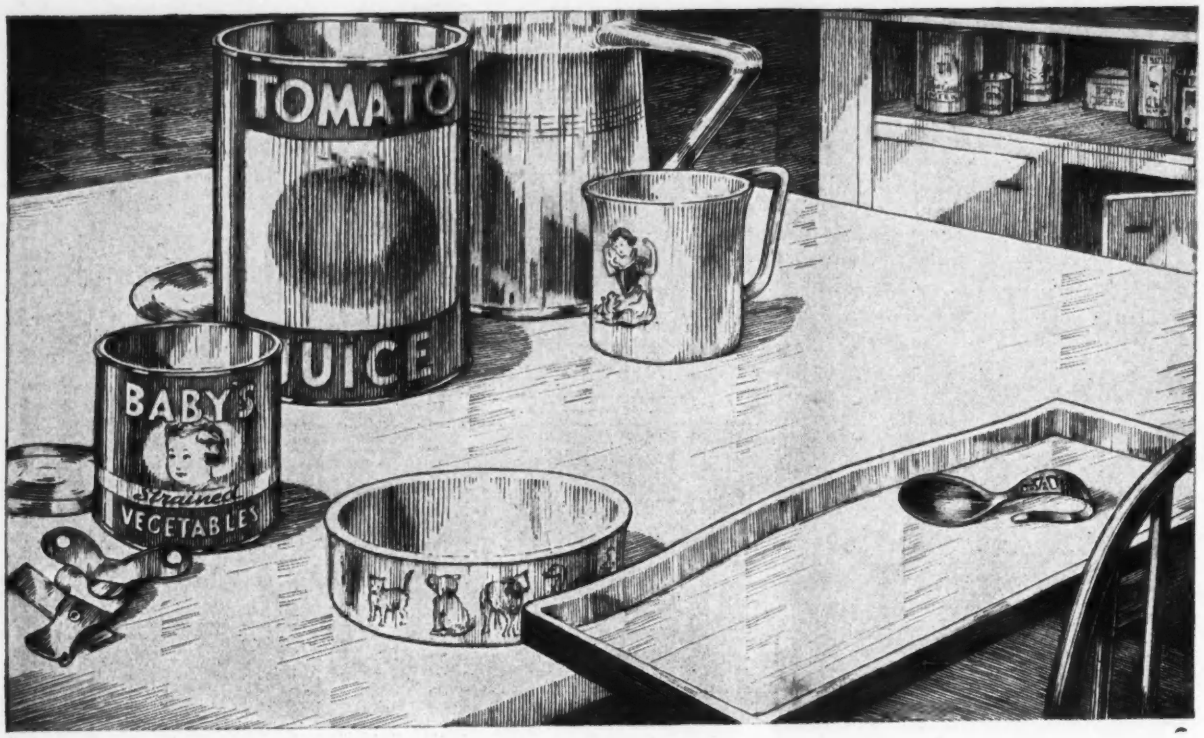
## C

| | | | |
|---|---|---|---|
| Cadmium, bromide, 25-lb. jars, 50 lbs. or more | lb. | 1.51 | - 1.75 |
| single jars | lb. | 1.56 | - 1.80 |
| 5-lb. bots. | lb. | 1.70 | - 1.91 |
| Iodide, 5-lb. bots. | lb. | 4.01 | - — |
| 25-lb. cns. | lb. | 3.87 | - — |
| Lithopone (see Yellow). | | | |
| Metal, pat. shapes, cs. | lb. | .60 | - — |
| ingots, or sticks | lb. | .55 | - — |
| Red (see Red). | | | |
| Selenide (see Red). | | | |
| Sulphide (see Yellow). | | | |
| Caffeine, 100-lb. ums., 10,000 lbs., or more | lb. | 2.20 | - — |
| 2,000 lbs., or more | lb. | 2.25 | - — |
| 1,000 lbs., or more | lb. | 2.30 | - — |
| 100 lbs. | lb. | 2.35 | - — |
| 25-lb., 10,000 lbs., or more | lb. | 2.23 | - — |
| 2,000 lbs., or more | lb. | 2.28 | - — |
| 1,000 lbs., or more | lb. | 2.33 | - — |
| 100 lbs. | lb. | 2.43 | - — |
| 25 lbs. | lb. | 2.55 | - — |
| Caffeine, 10-lb. cans, 10,000 lbs. or more | lb. | 2.25 | - — |
| 2,000 lbs. or more | lb. | 2.30 | - — |
| 1,000 lbs. or more | lb. | 2.35 | - — |
| 100 lbs. | lb. | 2.40 | - — |
| less than 100 lbs. | lb. | 2.75 | - — |
| 5-lb. cans, 25 lbs. or more | lb. | 2.70 | - — |
| less than 25 lbs. | lb. | 2.85 | - — |
| Citrated, cns. | lb. | 1.80 | - 2.10 |
| Hydrobromine, bots. | lb. | 4.91 | - 4.99 |
| Calabar beans, bgs. | lb. | .20 | - .21 |
| **Calamus root, peeled, N.F., cs.** | lb. | .17 | - .20 |
| bleached, bls. | lb. | .55 | - .62 |
| **Calcium acetate, bgs., dlvd. 100 lbs.** | | 1.65 | - — |
| **Arsenate, bgs., c.l., dealers, E. of Rockies** | lb. | .08¾ | - .07¼ |
| W. of Rockies, bgs., dms., | lb. | .06½ | - .08¾ |
| Southern cotton states, bgs., dms. | lb. | .06½ | - .06¾ |
| **Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.** | | | |
| **Bromide, 100 lbs., works, frt. equaled** | lb. | .70 | - — |
| 50 lbs., works | lb. | .72 | - — |
| 25 lbs., works | lb. | .75 | - — |
| Carbide, dms., c.l., dlvd. | lb. | 4.75 | - — |
| l.c.l., f.o.b. warehouse | lb. | 4.85 | - — |
| **Carbonate (see Chalk and Whiting).** | | | |
| Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd. | ton. | 22.00 | -35.00 |
| l.c.l., 1 ton or over, dlvd., 100 lbs. | | 1.70 | - 2.35 |
| liquor, basis 40% tanks, works | ton. | 7.50 | - — |
| solid, dom., 73-75%, bgs., dms., c.l., dlvd. | ton. | 30.00 | -33.00 |
| l.c.l., 1 ton or over, dlvd., 100 lbs. | | 1.60 | - 2.25 |
| Calcium gluconate, USP, gran., powd., bbls., 125 lbs. | lb. | .50 | - — |
| dms. | lb. | .55 | - .57 |
| cns. | lb. | .68 | - .85 |
| **Glycerophosphate, fib., dms., 1,000-lb. lots** | lb. | 1.00 | - — |
| **smaller lots** | lb. | 1.15 | - — |
| **cns., 25 lbs.** | lb. | 1.40 | - — |
| Hypophosphite, cns. | lb. | .62 | - .67 |
| Iodide, bots., jars | lb. | 3.85 | - 3.90 |
| Lactate, U.S.P., bbls., 200 lbs. | lb. | .23 | - — |
| Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during July, August, September | ton. | 27.25 | - — |
| **Palmitate. bbls.** | lb. | .22 | - .23 |
| **Phosphate, dibasic, precip., 38-42% $P_2O_5$, bgs., c.i.f., Atlantic ports, shipt.** | unit-ton. | .80 | - — |
| **tribasic, c.l., bbls., works** | lb. | .0635 | - — |
| **l.c.l.** | bbls. | .0705 | - — |
| Resinate, precip., bbls., 1 ton, lb. | | .13 | - — |
| smaller lots | lb. | .14 | - — |
| Stearate, precip., bbls., ctns., c.l. | lb. | .19 | - — |
| l.c.l., 1 ton | lb. | .20 | - — |
| Sulphate (see Gypsum). | | | |
| Sulphide, 70%, CaS., bgs., c.l., wks. | ton. | 46.00 | - — |
| 80%, CaS, bgs., c.l., wks. | ton. | 51.00 | - — |
| luminous, dom., tins, works., 100 lbs. | lb. | 1.25 | - — |
| Sulphocarbolate, bbls., 200 lbs. | lb. | .48 | - — |
| kgs., 100 lbs. | lb. | .50 | - — |
| Calendula flowers, bls. | lb. | .30 | - .33 |
| Calomel, bbls., fib., dms., kgs., 50 lbs., or more | lb. | 1.64 | - — |
| Camphor, natural, powd., cs. | lb. | .55 | - .56 |
| slabs, cs. | lb. | .55 | - .56 |
| tablets, tins | lb. | .60 | - .61 |
| Camphor, synth, dom., tech., bbls., contract, 2,000 lbs., or more, works | lb. | .35 | - — |
| smaller lots, works. | lb. | .40 | - — |
| USP, or import., gran., powd., bbls., 2,000-lb. lots. | lb. | .50 | Nom. |
| 1,000-lb. lots. | lb. | .51 | Nom. |
| smaller lots. | lb. | .52 | Nom. |
| tablets, 2,000-lb. lots. | lb. | .63 | Nom. |
| 1,000-lb. lots. | lb. | .64 | Nom. |
| smaller lots. | lb. | .65 | Nom. |
| Monobromate, bxs., kgs. | lb. | 1.75 | - 1.80 |
| **Canada balsam (see Fir balsam).** | | | |
| Canary seed, Argentina, bgs. | lb. | .04 | - .04½ |
| Morocco, bgs. | lb. | .04¼ | - .04½ |
| Turkish, bgs. | lb. | .04 | - .04½ |
| Canella alba bark, bls. | lb. | .29 | - .30 |
| Canella alba bark, bls. | lb. | .40 | - .41 |
| Cantharides, Chinese, cs. | lb. | .80 | - .85 |
| powd., bxs. | lb. | 1.00 | - 1.05 |
| Russian, cs. | lb. | 1.00 | - 1.05 |
| powd., bxs. | lb. | 1.25 | - 1.30 |
| Capsicum (see Pepper, red). | | | |
| Caraway seed, Dutch, bgs. | lb. | .09 | - .09½ |
| Carbazole, 95%, dms., ton lots, works | lb. | .70 | - — |
| smaller quantities, works. | lb. | .80 | - — |
| 98%, dms., ton lots, works. | lb. | .75 | - — |
| smaller quantities, works. | lb. | .85 | - — |
| Carbinol, butyl, norm., dms., works. | lb. | .60 | - — |
| small lots, works. | lb. | .75 | - — |
| Diethyl, dms., works. | lb. | .60 | - — |
| small lots, works. | lb. | .75 | - — |
| Dimethylethyl, dms., works. | lb. | .60 | - — |
| small lots, works. | lb. | .75 | - — |
| Isobutyl, 128-132°, dms., c.l., works. | lb. | .33 | - — |
| l.c.l., works | lb. | .34 | - — |
| tanks, works | lb. | .32 | - — |
| **Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R.** | lb. | .05 | - — |
| **l.c.l. same basis** | lb. | .05¾ | - — |
| **5-gal. dms., c.l., same basis.** | lb. | .07 | - .07½ |
| **l.c.l., same basis** | lb. | .08 | - .08½ |
| Dioxide, cyls. | lb. | .06 | - .09 |
| Tetrachloride, Zone 1, 52½ gal. dms., c.l., frt. alld. | gal. | .66¼ | - — |
| l.c.l., frt. alld. | gal. | .73 | - — |
| 5 or 10 gal., dms., c.l., frt. alld. | gal. | .90 | - — |
| l.c.l., frt. alld. | gal. | 1.00 | - — |
| Zone 2, 52½ gal. dms., c.l., frt. alld. | gal. | .73 | - — |
| l.c.l., frt. alld. | gal. | .80 | - — |
| 5 or 10 gal. dms., c.l., frt. alld. | gal. | .97 | - — |
| l.c.l., frt. alld. | gal. | 1.07 | - — |
| Zone 3, 52½ gal. dms., c.l., frt. alld. | gal. | .87 | - — |
| l.c.l., frt. alld. | gal. | .93 | - — |
| 5 or 10 gal. dms., c.l., frt. alld. | gal. | 1.10 | - — |
| l.c.l. frt. alld. | gal. | 1.20 | - — |
| Zone 4, 52½ gal. dms., c.l., gal. | | .83 | - — |
| l.c.l. | gal. | .90 | - — |
| 5 or 10 gal. dms., c.l. | gal. | 1.07 | - — |
| l.c.l. | gal. | 1.17 | - — |

**All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. cars, L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington Ia., and Kansas City, Kan. Zone 2, includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3, includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M., and Texas. Zone 4, includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona**

| | | | |
|---|---|---|---|
| Cardamom, bleached, cs. | lb. | 1.30 | - 1.60 |
| decorticated, cs. | lb. | .80 | - 1.10 |
| green, bgs. | lb. | .65 | - .90 |
| **Carob bean flour (see Gum, Locust bean).** | | | |
| **Carvol, bots.** | lb. | 4.00 | - 4.25 |
| **Cascara sagrada bark, bulk** | lb. | .10 | - .11 |
| Case-hardening mixture, 30%, lump, dms., l.c.l. | lb. | .09 | - — |
| Casein, dom., 20-30 mesh, bgs., c.l., dlvd. | lb. | .13 | - .13½ |
| 5 tons, works. | lb. | .14½ | - .15 |
| smaller lots, works. | lb. | .16 | - .16¼ |
| 80-100 mesh., bgs. | lb. | .13½ | - .14 |
| 5 tons, works. | lb. | .15 | - .15½ |
| smaller lots, works. | lb. | .16½ | - .16¾ |
| import, Argent., 20-30 mesh, bgs., c.l., duty paid. | lb. | .12 | - .12¾ |
| 80-100 mesh, bgs., c.l., duty paid. | lb. | .12½ | - .13¼ |
| French, 30 mesh, bgs., c.l., duty paid. | lb. | .09¼ | Nom |
| Cassia, Batavia, 1, bgs. | lb. | .17 | - .18 |
| shortstick, bls. | lb. | .13 | - .14 |
| broken, bls. | lb. | .11½ | - .12 |
| China, rolls, select, bls. | lb. | .10 | - .10½ |
| broken, extra, bls. | lb. | .10½ | - .11 |
| Saigon, bls. | lb. | .17 | - .18 |
| Cassia, buds, cs. | lb. | .15 | - .16 |
| Cassia fistula, bskts. | lb. | .10 | - .11 |
| Castile soap, white, bars, cs., 40 lbs. | | 11.75 | -12.50 |
| powd., bbls. | lb. | .28 | - .35 |
| Castoreum, nat., cns. | lb. | 15.00 | -18.00 |
| synth., bots. | lb. | 19.00 | - — |
| Castor oil (see Oil, castor). | | | |
| Pomace, dom., 5½%, ammon., bgs., c.l., works. | ton. | 16.50 | - — |
| import, bgs., c.i.f., ports, shipment. | ton. | 18.00 | - — |
| Catnep leaves, Southern, bls. | lb. | .22 | - .23 |
| Celery seed, French, bgs. | lb. | .30 | - .32 |
| Indian, bgs. | lb. | .25 | - .27 |
| Celluloid scrap (see Pyroxylin scrap). | | | |
| Cellulose, acetate, flake, gran., cs., 5,000 lbs. and over, frt. alld. | lb. | .35 | - — |
| 100 to 4,950 lbs., same basis. | lb. | .36 | - — |
| less than 100 lbs., works. | lb. | .37 | - — |
| Acetobutyrate, 10,000 lbs. and over. | lb. | .48 | - — |
| 5,000 to 9,980 lbs. | lb. | .485 | - — |
| 2,500 to 4,980 lbs. | lb. | .49 | - — |
| 1,000 to 2,400 lbs. | lb. | .495 | - — |
| 100 to 900 lbs. | lb. | .505 | - .89 |
| Acetopropionate, 10,000 lbs. and over. | lb. | .50 | - — |
| 5,000 to 9,980 lbs. | lb. | .505 | - — |
| 2,500 to 4,980 lbs. | lb. | .51 | - — |
| 1,000 to 2,400 lbs. | lb. | .515 | - — |
| 100 to 900 lbs. | lb. | .525 | - .54 |
| Triacetate, flake, cs., 5,000 lbs. and over, frt. alld. | lb. | .35 | - — |
| 100 to 4,950 lbs., same basis. | lb. | .36 | - — |
| less than 100 lbs., works, lb. | | .37 | - — |
| Cerium hydrate, dms., works. | lb. | .60 | - — |
| Oxalate, USP, bbls., works. | lb. | .35 | - — |
| kgs. works. | lb. | .37 | - — |
| Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works. | lb. | .02¾ | - — |
| cks., 250 lbs., c.l., f.o.b., works. | lb. | .03¼ | - — |
| Chamomile flowers, Hungarian, genuine, cs. | lb. | .30 | - .35 |
| Roman, bls. | lb. | .32 | - .40 |


INTERESTING USES OF ALKALIES




# Purifying Cooling Water to Cut Down Canned Food Spoilage . . .

In the attainment of present high quality standards of canned food, chlorination of the cooling water plays an important part. The food is sealed in hot, and because of the partial vacuum formed within the can on cooling, minute drops of water that remain in the seams after the cans are removed from the cooling tank may be drawn into the can. An opening of only one hundred thousandth of an inch is sufficient to permit the entrance of a large number of spoilage organisms, but if the water is pure there will be no spoilage when the openings in the cans seal during contraction.

A residual chlorine content of 1/10th part per million is sufficient to keep the water in the cooling tank sterile. Liquid chlorine or a sodium hypochlorite solution with high alkalinity to avert corrosion of the cans is used for this purpose.

The purity of COLUMBIA Liquid Chlorine itself makes it the frequent choice for purification projects, including water for drinking and bathing, as well as for paper and pulp mill operations. In similar manner, the purity of other COLUMBIA products, coupled with prompt and understanding service, make them preferred by leading manufacturers in the glass, paper, chemical, soap, textile, food and drug industries.

# COLUMBIA

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • • •
MODIFIED SODAS • LIQUID CHLORINE • CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION
EXECUTIVE SALES OFFICES: 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.
Plant: Barberton, Ohio
CHICAGO · BOSTON · ST. LOUIS · PITTSBURGH · CINCINNATI · CLEVELAND · MINNEAPOLIS · PHILADELPHIA

| | | | |
|---|---|---|---|
| **Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va.** | ton | 30.40 | — |
| **Colo.** | ton | 29.00 | — |
| **Conn., Me., Mass., N. H., R. I., Vt.** | ton | 30.80 | — |
| **Ill. (except river point), Minn., Neb., Wis.** | ton | 27.00 | — |
| **Indiana** | ton | 28.00 | — |
| **Mo., Okla., Tex. (except El Paso)** | ton | 25.00 | — |
| **Kansas, El Paso, Tex.,** | ton | 26.00 | — |
| **Michigan** | ton | 29.80 | — |
| **Ohio, Penn.** | ton | 29.80 | — |
| **Utah** | ton | 66.00 | — |
| **Willow, powd., bbls.** | lb. | .06 | .07 |
| **Chestnut extract, clarif., 25% tan., bbls., c.l., wks.** | lb. | .02 | — |
| **l.c.l., bbls., wks.** | lb. | .02¼ | — |
| **tanks, wks.** | lb. | .01⅝ | — |
| **Chillies (see Pepper, red).** | | | |
| **China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works.** | ton | 9.50 | — |
| **l.c.l., works** | ton | 10.00 | 16.00 |
| **bulk, c.l., works** | ton | 7.60 | — |
| **200 mesh, bgs., c.l., works.** | ton | 8.50 | — |
| **l.c.l., works** | ton | 9.50 | 15.50 |
| **wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.** | ton | 9.50 | — |
| **paper bgs., c.l., works,** | ton | 12.50 | — |
| **import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila.** | ton | 22.00 | 25.00 |
| **powd., csks., l.c.l., ex dock,** | ton | 35.00 | — |
| **ex whse** | ton | 37.50 | — |
| **Chloral hydrate, bots., 1,000 lbs.,** | lb. | .83 | .92 |
| **500 lbs.** | lb. | .86 | .95 |
| **100 lbs.** | lb. | .88 | .97 |
| **25 lbs.** | lb. | .90 | .99 |
| **1-10 lbs.** | lb. | .95 | 1.02 |
| **dms., 1,000 lbs.** | lb. | .80 | — |
| **500 lbs.** | lb. | .83 | — |
| **100 lbs.** | lb. | .85 | — |
| **Chlorinated rubber, 5 cps., bgs., c.l., works.** | lb. | .40 | — |
| **ton lots, works.** | lb. | .42 | — |
| **smaller lots, works.** | lb. | .45 | .50 |
| **10-1,000 cps., bgs., c.l., works,** | lb. | .35 | — |
| **ton lots, works.** | lb. | .37 | — |
| **smaller lots, works.** | lb. | .40 | .45 |
| **Chlorine, liq., cyls., c.l., dlvd., N. Y.** | lb. | .05¼ | — |
| **contracts, dlvd., N. Y.** | lb. | .05¼ | — |
| **l.c.l., dlvd., N.Y.** | lb. | .07¼ | — |
| **tanks, single unit, works, frt. equald.** | 100 lbs. | 1.75 | — |
| **multiple unit, 3 or over, wks., frt. equald.,** | 100 lbs. | 1.90 | — |
| **2, works, frt. equald.,** | 100 lbs. | 2.15 | — |
| **1, works, frt. equald.,** | 100 lbs. | 2.60 | — |
| **Chloracetophenone, tins, works.** | lb. | 3.00 | 3.50 |
| **Chloroform, tech., 650-lb. dms.** | lb. | .20 | — |
| **100-lb. dms.** | lb. | .22 | — |
| **50-lb. dms.** | lb. | .23 | — |
| **USP, 650-lb. dms.** | lb. | .30 | — |
| **100-lb. dms.** | lb. | .32 | — |
| **50-lb. dms.** | lb. | .33 | — |
| **Chloropicrin, coml, 150-lb. cyls., works.** | lb. | .80 | — |
| **100 lb. cyls., works.** | lb. | .85 | — |
| **5-25 lb. cyls., works.** | lb. | 1.00 | 1.15 |
| **Chrome acetate, powd., 24%, bbls., dlvd.** | lb. | .13½ | — |
| **solut., 8½% cs., bbls.** | lb. | .05¾ | — |
| **Cake, bulk, c.l., works.** | ton | 14.00 | 15.00 |
| **Green (see Green, chrome).** | | | |
| **Oxide (see Green, chrome).** | | | |
| **Sulphate, pearls, dms.** | 100 lbs. | | |
| | lb. | .40 | — |
| **powd., dms., 100 lbs.** | lb. | .45 | — |
| **scales, dms., 100 lbs.** | lb. | .45 | — |
| **Trioxide (see Acid, chromic).** | | | |
| **Yellow (see Yellow, chrome).** | | | |
| **Chrysarobin, cns.** | lb. | 3.25 | 3.30 |
| **Cinchona bark, quill, USP., 10 in., medium, cs.** | lb. | .70 | .75 |
| 20 in., thick, cs. | lb. | .75 | .80 |
| 20 in., medium, cs. | lb. | .65 | .70 |
| **USP, broken quill, red, bgs.** | lb. | .28 | .30 |
| yellow, bgs. | lb. | .28 | .30 |
| **Cinchonidine, crys., small cns.** | 100 ozs. | oz. | .83 — — |
| **large, cns.** | 100 ozs. | oz. | .87 — — |
| **powd., cns.** | 100 ozs. | oz. | .80 — — |
| **Sulphate, N.F., cns.** | 100 ozs. | oz. | .47 — — |
| **Cinchonine, crys., small, cns.** | 100 ozs. | oz. | .54 — — |
| **large, cns.** | 100 ozs. | oz. | .58 — — |
| **powd., cns.** | 100 ozs. | oz. | .50 — — |
| **Sulphate, N.F., cns.** | 100 ozs. | oz. | .34 — — |
| **Cinchophen, USP, boxes, 5 lbs.,** | lb. | 3.75 | — |
| **bots., 1 lb.** | lb. | 3.27 | — |
| **dms., 100 lbs.** | lb. | 3.00 | — |
| **Cinnamic alcohol (see Alcohol cinnamic).** | | | |
| **Aldehyde, f.c.c., cbys.** | lb. | .85 | .90 |
| **Cinnamon, Ceylon, 2 bls.** | lb. | .14 | .14½ |
| 3 bls. | lb. | .13½ | .14 |
| **Citral, bots., cns** | lb. | 1.40 | 3.10 |
| Citrine ointment, jars, tubes. | lb. | .80 | — |
| **Citronellal, bots., dms.** | lb. | .75 | .80 |
| **Citronellol, bots., dms.** | lb. | 1.60 | 1.65 |
| Clove, Madagascar, bls. | lb. | .22 | .24 |
| Zanzibar, bls. | lb. | .20 | .21 |
| Clover tops, bgs. | lb. | .14½ | .17 |
| **Coaltar, coal-gas, crude, bbls., c.l., works.** | bbl. | 7.50 | 7.75 |
| **l.c.l., works.** | bbl. | 8.25 | 8.50 |
| **tanks, works.** | gal. | .07½ | .09 |
| **refd., bbls., c.l., works.** | bbl. | 8.00 | 8.25 |
| **l.c.l., works.** | bbl. | 8.75 | 9.00 |
| **tanks, works.** | gal. | .08½ | .10 |
| **water-gas, crude, dms., c.l., works.** | dm. | 7.50 | — |
| **l.c.l., works.** | dm. | 8.25 | — |
| **refd., dms., c.l., works.** | dm. | 8.00 | — |
| **l.c.l., works.** | dm. | 8.75 | — |
| **Cobalt acetate, bbls., kgs., dlvd.,** | lb. | .65 | .67 |
| **Carbonate, pwd., bgs., wks.,** | lb. | 1.25 | 1.60 |
| **Chloride, kgs., wks.** | lb. | .76 | 1.20 |
| **Hydrate, bbls.** | lb. | 1.78 | — |
| **Linoleate, paste, 6%, dms.** | lb. | .31 | — |
| **solid, 8½%, bbls.** | lb. | .33 | — |
| **Oleate, bbls.** | lb. | .25 | Nom. |
| **Oxide, black, kgs.** | lb. | 1.67 | — |
| Resinate, fused A, bbls. | lb. | .13½ | — |
| 1%, bbls. | lb. | .13 | — |
| 2%, bbls. | lb. | .14 | — |
| 3½%, bbls. | lb. | .17½ | — |
| **precip., dms., dlvd.** | lb. | .24 | — |
| **Sulphate, dms.** | lb. | .59 | — |
| **Cocaine, hydrochloride, 100 ozs., cns.** | oz. | 9.75 | — |
| **Cochineal, gray, bgs.** | lb. | .35 | .38 |
| **Teneriffe, silver, bgs.** | lb. | .36 | .39 |
| Cocoa butter, bulk, c.l., bgs. | lb. | .10½ | .10¾ |
| **Cocillana bark, bgs.** | lb. | .14 | .15 |
| **Codeine, cns., 100 ozs.** | oz. | 11.70 | — |
| **Hydrochloride, cns., 100 ozs.** | oz. | 10.50 | — |
| **Phosphate, cns., 100 ozs.** | oz. | 9.00 | — |
| **Sulphate, cns., 100 ozs.** | oz. | 9.50 | — |
| **Codliver oil (see Oil, codliver).** | | | |
| **Cohosh, black, root, bls.** | lb. | .06¼ | .07 |
| **Blue, root, bls.** | lb. | .06 | .07 |
| **Colchicine, bots., 4 ozs.** | oz. | 18.00 | — |
| **single ozs.** | oz. | 19.00 | — |
| **Colchicum seed, bgs.** | lb. | .35 | .36 |
| **Collodion, USP, dms., 325 lbs.** | lb. | .12¼ | — |
| **cns., 25 lbs.** | lb. | .16 | — |
| **Flexible, USP, dms., 325 lbs.** | lb. | .14½ | — |
| **cns., 25 lbs.** | lb. | .18 | — |
| Colocynth pulp, bls. | lb. | .30 | .33 |
| Colombo root, bls. | lb. | .10 | .13 |
| Coltsfoot leaves, bgs. | lb. | .11 | .12 |
| Condurango bark, bgs. | lb. | .09 | .10 |
| Conium leaves, bls. | lb. | .21 | .22 |
| Copaiba balsam, Para, cns. | lb. | .26 | .26½ |
| S. A. USP, cns. | lb. | .27 | .27½ |
| **Copper acetate, normal, bbls., dlvd.** | lb. | .21 | — |
| **smaller containers, dlvd.** | lb. | .23 | — |
| Carbonate, 52-54 pc., bbls. | lb. | No prices | |
| Chloride, cryst., bbls. | lb. | No prices | |
| Cyanide, tech., bbls. | lb. | No prices | |
| **Iodide, bots.** | lb | 4.97 | 5.02 |
| Copper, metal, electrolytic | lb. | .12 | — |
| Nitrate, cryst., bbls. | lb. | No prices | |
| Oleate, precip., bbls. | lb. | .20 | — |
| **Oxide, black, 79-80% bbls., tons, works.** | lb. | No prices | |
| **Red, com'l., 50-88%, kgs., f.o.b. N. Y.** | lb. | No prices | |
| Rosinate, precip., bbls. | lb. | .15 | .16 |
| Stearate, precip., bbls. | lb. | .23 | .24 |
| Sulphate (see Blue vitriol). | | | |
| **Copperas, cryst., gran., bgs., c.l., works.** | ton | 17.00 | — |
| **bbls., c.l., works.** | ton | 19.00 | — |
| **l.c.l., 25 or over, works.** | 100 lbs. | 1.45 | — |
| **5-24, works.** | 100 lbs. | 1.55 | — |
| **1-4, works.** | 100 lbs. | 2.00 | — |
| **bulk, c.l., works.** | ton | 14.00 | — |
| Copra, Coast, shipt. | lb. | No prices | |
| Coriander seed, Morocco, bgs. | lb. | .06½ | .07 |
| bleached, bgs. | lb. | .08 | .09 |
| Corn sugar, Tanner's chipped, bgs., c.l., dlvd. | 100 lbs. | 3.34 | — |
| slabs, bbls., c.l. | 100 lbs. | 3.26 | — |
| solid, bbls., c.l. | 100 lbs. | 3.38 | — |
| Syrup, 42°, bbls., c.l. | 100 lbs. | 3.37 | — |
| 43°, bbls., c.l. | 100 lbs. | 3.42 | — |
| Cornsilk, bls. | lb. | .08½ | .09 |
| **Corrosive sublimate, cryst., dms., 50 lbs. or more.** | lb. | 1.47 | — |
| **gran., powd., dms., 50 lbs. or more.** | lb. | 1.32 | — |
| **Cottonroot bark, bls.** | lb. | .10 | .11 |
| **Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd.** | unit-ton. | 1.00 | — |
| **Coumarin, 5 lbs., or more, 25-lb. cns.** | lb. | 2.75 | 3.00 |
| **5-lb. cns.** | lb. | 2.85 | 3.10 |
| **1-lb. cns.** | lb. | 3.00 | 3.25 |
| **1-oz. cns.** | lb. | 3.35 | 3.60 |
| **less than 5 lbs., cns.** | lb. | 4.15 | 4.65 |
| **Cramp, bark, genuine, bls.** | lb. | .19 | .21 |
| **so-called, bls.** | lb. | .06 | .07 |
| **Cranesbill root, bls.** | lb. | .13½ | .14 |
| **Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't.** | lb. | .22¼ | — |
| **smaller lots, bbls.** | lb. | .22¾ | — |
| **kgs.** | lb. | .23¾ | — |
| **Creosote, beechwood, bots.** | lb. | .70 | .75 |
| **Hardwood, USP, bots.** | lb. | .45 | .47 |
| **Pine, dms.** | gal. | .28 | — |
| **Carbonate, bots., cbys.** | lb. | 1.40 | 1.75 |
| **Oil, crude, tanks, works.** | gal. | .13½ | .14¼ |
| **Coaltar, solution, tanks, works.** | gal. | .122 | .132 |
| **refd., bbls., l.c.l., works.** | gal. | .25 | — |
| **tanks, works** | gal. | .18 | .18½ |
| **Cresol, USP, dms., c.l., works.** | lb. | .09¼ | — |
| **l.c.l., same basis.** | lb. | .10 | — |
| **special resin grade, dms., c.l., works.** | lb. | .08¼ | — |
| **l.c.l., same basis.** | lb. | .08¾ | — |

## Charcoal—Cyclohexanone

| | | | |
|---|---|---|---|
| **Crotonaldehyde, 97%, 55 and 110 gal. c.l., works.** | lb. | .11 | — |
| **l.c.l., works.** | lb. | .13 | — |
| **5 and 10 gal. dms., works.** | lb. | .15 | — |
| **Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more.** | lb. | .24 | .25 |
| 2,000 lbs. to 10,000 lbs. | lb. | .25 | .26 |
| 1,000 lbs. to 2,000 lbs. | lb. | .26 | .27 |
| 200 lbs. to 1,000 lbs. | lb. | .27 | .28 |

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

| | | | |
|---|---|---|---|
| Cubeb berries, XX, bgs. | lb. | .38 | .39 |
| powd., cs. | lb. | .42 | .43 |
| **Culver's root, bls.** | lb. | .13 | .14 |
| Cumin seed, Algerian, bgs. | lb. | .12½ | .13 |
| Morocco, bgs. | lb. | .13½ | .14 |
| Cutch, Borneo, extract, solid, bags. | lb. | No prices | |
| **Cyanamide, 22%, $N_2$, pulv., bgs., dlvd., contracts, $N_2$, unit ton.** | | 1.27½ | — |
| **Cyanide-chloride, mixture, 45%, gran., dms.** | lb. | .10¾ | — |
| **lump, dms.** | lb. | .09¾ | — |
| **75%, gran., dms.** | lb. | .15 | — |
| **Cyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies.** | lb. | .25 | — |
| **Cyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies.** | lb. | .30 | — |
| **Cyclohexanone, 98-100%, dms., works, frt. alld., E. of Rockies.** | lb. | .58 | — |

## Damiana—Glue, Bone

# D

Damiana leaves, bls.....lb. .18 - .20
Dandelion root, German, bls...lb. .22 - .24
Deertongue leaves, bls.....lb. .10 - .11
Degras, common, dom., bbls...lb. .09½- .10
English, bbls.....lb. .10 Nom.
neutral, dom., bbls.....lb. .12 - .15
English, bbls.....lb. .12 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs., to 10,000 lbs..lb. .26 - .30
1,000 lbs. to 2,000 lbs. lb. .28 - .32
200 lbs. to 1,000 lbs..lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk cns....lb. 2.25 - 3.25
Devil's club, root bark.....lb. 1.50 - —
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.10 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.90 - —
Potato, import, bgs.....lb. .07½ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 - —
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., divd...lb. .21 - —
l.c.l., divd. .....lb. .21½- —
tanks, divd. .....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works .....lb. .45 - —
Diamylene, dms., c.l., works..lb. .096 - —
l.c.l., works .....lb. .102 - —
tanks, works .....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.22.00 -23.00
Dibutylamine, dms., c.l., works, lb .50 - —
l.c.l. .....lb. .51 - .53
tanks, works .....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., divd...lb. .19 - —
l.c.l., divd. .....lb. .19½- —
tanks, divd.....lb. .18 - —
cns., works .....lb. .23½- .25½
Sebacate, dms., wks.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .16 - —
tanks, works .....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0831- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .24 - —
l.c.l., works .....lb. .25 - —
tanks, works .....lb. .23 - —
Diethyl carbonate, comi., dms.lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19¼- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .18 - —
l.c.l., works .....lb. .14 - —
tanks .....lb. .13 - —
Diethylaniliin, dms. .....lb. .49 - —
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .24
Monoethylether, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Digitalis leaves, dms.....lb. .40 - .45
Digiycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .13 - —
Stearate, bbls., c.l.....lb. .20 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .10 - .12
Dimethyl phthalate, dms., c.l., divd..lb. .18½- —
l.c.l., divd. .....lb. .19 - —
tanks, divd. .....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms. .....lb. .24 - —
Dimethylamine, dms., c.l., divd., lb. 1.00 - —
l.c.l. divd. .....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .22 - —
Dinitrotoluene, dms. .....lb. .15½- —
oily, dms. .....lb. .09 - —
Diorthotolueiguanidin, dms., 2,000 lbs., or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. .....gal. .47 - .60
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls. .....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic).
Divi-divi extract, bbls.....lb. .06¾- .06¾
Doggrass root, cut, bls.....lb. .15 - .18
Dogwood bark, Jamaica, bls., lb. .08 - .09
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vis.....oz.34.50 -35.00
Dyes, coaltar, for coloring foods (certified
Blue:—
Brilliant blue FCF, cans, lb.13.50 - —
1180 Sodium indigo disulphonate, cns..lb.13.50 - —
Green:—
Fastgreen FCF, cns..lb 27.50 - —
666 Guinea green B., cns, lb.13.50 - —
670 Light green SF, yellowish, cns..lb.17.50 - —
Orange:—
150 Orange I, cns.....lb. 2.90 - —
Red:—
184 Amaranth, cns.....lb. 3.15 - —
773 Erythrosin, cns.....lb.17.50 - —
80 Ponceau 3R, cns.....lb. 6.00 - —
Ponceau 8X, cns.....lb. 5.75 - —
Yellow:—
10 Naphthol yellow S, cns.lb. 8.50 - —
Sunset yellow FCF, cns, lb. 3.15 - —
640 Tartrazin, cns.....lb. 3.15 - —
22 Yellow AB, cns.....lb. 2.65 - —
61 Yellow OB, cns.....lb. 2.65 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
26 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .95 - 1.00
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
320 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .88 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN.lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B....lb. .40 - .42½
496 Benzo purpurin 10B...lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
513 Direct pure blue 6B...lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .85 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
598 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
612 Primulin .....lb. .50 - .52
614 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .35
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .42 - —
Blue:—
1075 Alizarin astrol base...15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green.—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade.lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
259 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 A n t h raquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.... ....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 A m i d o azotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .05 - —
235 Resorcin dark brown R lb. .06 - —
281 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX.lb. .72 - .76
185 Cochineal red A....lb. .60 - —
Water-soluble:—
Red:—
252 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Water-soluble:—
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

# E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .60 - .62
imported .....lb. .56 - .57
Elder flowers, bright, bls.....lb. .27 - .30
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10½- .11
powd., bbls., bxs.....lb. .20 - .21
select, bndls. .....lb. .19 - .21
Emetine hydrochloride, bots..oz.13.50 -14.00
Ephedra, bls. .....lb. .10 - .10½
Ephedrine, tins, 1,000 ozs....oz. 1.75 - —
tins, 100 ozs. .....oz. 1.85 - —
Hydrochloride, tins, 1,000 oz., lots..oz. 1.25 - —
tins, 100 oz., lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.00 - 2.10
Eserine, bots. .....oz.35.00 - —
Salicylate, bots. .....oz.27.00 - —
Sulphate, bots. .....oz.28.00 - —
Ether, acetic (see Ethyl acetate)
Butyl, dms., c.l., divd.....lb. .24½- —
l.c.l., divd. .....lb. .25 - —
cns. .....lb. .28 - .31
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .69 - —
cns., 27 lbs. .....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .32 - .40
washed, dms. .....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .061 - —
l.c.l., frt. alld.....lb. .066 - —
tanks, frt. alld.....lb. .051 - —
95-98%, dms., c.l., frt. alld.lb. .0685- —
l.c.l., frt. alld.....lb. .0735- —
tanks, frt. alld.....lb. .0585- —
N. F., VI, 99%, dms., 400 lbs..lb. .06 - —
cns., 35 lbs.....lb. .12 - .18
USP, VIII, 90%, dms., 460 lbs. lb. .07 - —
cns., 35 lbs.....lb. .13 - —
Acetoacetate, dms., c.l., works., lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caprorate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
crotonate, 55 gal. dms., divd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., divd....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Iodide, bots.....lb. 5.01 - —
Lactate, 55-gal. dms., works. lb. .33½- —
5-gal. dms., works.....lb. .37½- —
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25 lbs. lots., cns., lb. 6.00 - —
5-lb. lots .....lb. 6.05 - —
1-lb. lots. cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, f. alld..lb. .47 - —
500 lbs. or more frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld., lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .0550
West of Rockies, same basis..lb. .0595- .06
l.c.l., works, E. of Rockies, frt. alld..lb. .0644- .0650
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monoethylether, acetate, dms., c.l., works..lb. .13 - —
l.c.l., dms. .....lb. .14 - —
tanks, works.....lb. .12 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks works.....lb. .16 - —
Ethylidinaniliin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .65 - .68
Eucalyptus leaves, bls.....lb. .08 - .09
Eugenol, cns., dms.....lb. 1.80 - 1.85
Euphorbia, bls.....lb. .07½- .08

# F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C. works .....ton.17.00 -19.00
Fennel seed, French, type, bgs., lb. .08½- .09
Indian, bgs.....lb. .08½- .09
German, large, bgs.....lb. .26 - .27
Fenugreek seed, bgs.....lb. .04 - .04½
Ferric Sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .09½- —
smaller lots, works...lb. .10½- —
light, cs., 1,000 lbs. or over, works..lb. .10½- —
smaller lots, works....lb. .11½- —
water white, cs., 1,000 lbs., or over, works..lb. .11½- —
smaller lots, works...lb. .12½- —
Fir balsam, Canada, cns.....gal.10.75 -11.00
Oregon, bbls.....gal. .85 - .90
Fish berries, bgs.....lb. .16 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.15 & .10
11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.ton.49.00 - —
wet, acidulated, 6-7% ammon., 5-4% phosphor. acid, bulk, So. Atlantic factories, contracts..unit-ton. 2.35 & .50
sardine, meal, Japanese, 11½% ammon. bgs., c.i.f. ports, Sept.-Oct., shipt..ton.49.00 - —
spot..ton.49.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs...lb. .16 - .17
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines, net ton.30.00 -31.60
washed gravel, 85-5, f.o.b. Ill.-Ky. mines..net ton.17.00 -18.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines...net ton.18.00 -19.00
imported, 85.5, duty paid, short ton.21.50 Nom.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l. works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import, bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .20
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., divd., lb. .15 - .16½
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

# G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .12 - .14
Gambier, common, cases.....lb. No prices
plantation, cases.....lb. .09½ Nom.
Cubes, Singapore, cases....lb. No prices
extract, bbls.....lb. .06½- .09¼
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06½- .06¾
65 octane and above, tanks, gal. .0665- .0690
California, 54-58, tanks...gal. .06½- .06
Gulf Coast, U.S. Motor, bulk, gal. .05¾- —
60-62, 380 e.p., bulk, export, gal. .05¾- —
60-62, 400 e.p., bulk, export, gal. .05¾- —
64-66, 375 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04¾
70-72 octane, tanks....gal. .04¾- .05½
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04½- .04¾
third grade, tanks..gal. .04½- .04¾
63-66 octane, tanks....gal. .04¾- .05⅛
67-69 octane, tanks....gal. .04⅞- .05¼
70-72 octane, tanks....gal. .05¼- .05½
natural, 12-lb. v.p., tanks..gal. .03⅝- .03⅞
below 60 octane tanks.gal. .04¾- —
14-lb. v.p., tanks.....gal. .04 - —
18-lb. v.p., tanks.....gal. .03 - .03⅛
22-lb. v.p., tanks.....gal. .03⅛- —
26-70 lb. v.p., tanks...gal .04 - —
below 60 octane tanks.gal. .04¾- .05¼
65 octane, tanks.....gal. .06¾- —
52-56 450 e.p., naphtha, tanks..gal. .05¼- .05½
Gelatin, silver, cs... lb 42 48
Gelsemium root, bls.....lb. .11 - .12
Gentian root, bls.....lb. .10 - .12
grd., bbls., bxs.....lb. .13 - .15
powd., bbls., bxs.....lb. .15 - .17
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.60
Ginger root, African, bgs.....lb. .06½- .07
Cochin, lemon, bgs.....lb. .09 - .09½
Jamaica, bold, bgs.....lb. .12½- .13
grinding, bright, bgs....lb. .07¾- .08
medium, bgs.....lb. .10½- .11
Japanese, bgs.....lb. .06½- .07
Ginseng root, wild, Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (See Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works... 100 lbs. 1.05 - 1.35
less than 5 tons, works.. 100 lbs. 1.15 - 1.85
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .13 - —
36/38 bgs., c.l., divd....lb. .11 - —
l.c.l., divd.....lb. .11¼- —
38/32 bgs., c.l., divd....lb. .12¼- —
l.c.l., divd.....lb. .13 - —
32/108, bgs., c.l., divd...lb. .13 - —
l.c.l., divd.....lb. .13½- —

Glue, hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½ - —
60/164, bgs., c.l., same basis, lb. .16½ - —
l.c.l., same basis.....lb. .17 - —
67/122, bgs., c.l., same basis, lb. .17½ - —
l.c.l., same basis.....lb. .18 - —
75/222, bgs., c.l., same basis, lb. .18½ - —
l.c.l., same basis.....lb. .19½ - —
98/251, bgs.,c.l.,same basis.lb. .19½ - —
l.c.l., same basis.....lb. .20½ - —
92/288, bgs.,c.l.,same basis.lb. .20½ - —
l.c.l., same basis.....lb. .21½ - —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .23 - —
113/347, bgs., c.l., same basis..lb. .23 - —
l.c.l., same basis.....lb. .25 - —
125/879, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.

Glycerin, C.P., cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12½ - —
dynamite, dms.....lb. Nominal.
high gravity, dms., c.l., dlvd.lb. .13 - —
l.c.l., dlvd.....lb. .12½ - —
tanks, dlvd.....lb. .11½ - —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .09 - —
l.c.l., same basis....lb. .09½ - .10
tanks .....lb. .08¾ - —
for refiners, dms., returnable, tanks, dlvd..lb. .08¾ Nom.
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾ Nom.
Glycol boriborate, dms.....lb. .23 - —
Phthalate, dms.....lb. .33 - —
Stearate, dms.....lb. .24 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .12 - .13
Goldenseal, root, bls.....lb. 3.50 - 3.55
powd., bxs.....lb. 3.80 - 3.85
Grains of paradise, bgs.....lb. .65 - .70
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l. works..lb. .06 - —
l.c.l., works.....lb. .06½ - —
Graphite, amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l. works, lb. .02½ - —
85% graphitic, carbon, bbls., c.l., works..lb. .02¾ - —
l.c.l., works.....lb. .03¼ - —
80% graphitic, carbon, bgs., c.l., works..lb. .03½ - —
bbls., c.l., works.....lb. .06¾ - —
l.c.l., works.....lb. .04½ - —
Grease, house, loose.....lb. .06 Nom.
White .....lb. .06¼ Nom.
Yellow .....lb. .06 Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 2%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls, same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½ - —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½ - —
31-35%, bbls., same basis.lb. .25½ - —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½ - —
46-50%, bbls., same basis.lb. .30 - —
reduced, C.P., color content up 5%, same basis..lb. .06 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P., color content up 5%, same basis..lb. .06 - —
6-10%, bbls., same basis.lb. .06¾ - —
11-15%, bbls., same basis.lb. .07¼ - —
16-16%, bbls., same basis.lb. .07½ - —
17-19%, bbls., same basis.lb. .07¾ - —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls. same basis, lb. .08¼ - —
24-25%, bbls., same basis.lb. .08½ - —
26-27%, bbls., same basis.lb. .08¾ - —
28-29%, bbls., same basis.lb. .09¼ - —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼ - —
34-35%, bbls., same basis.lb. .12½ - —
36-40%, bbls., same basis.lb. .14½ - —
41-45%, bbls., same basis.lb. .16¾ - —
46-50%, bbls., same basis.lb. .18¾ - —
51-55%, bbls., same basis.lb. .17¼ - —
56-60%, bbls., same basis.lb. .17¾ - —
61-65%, bbls., same basis.lb. .18¾ - —
66-70%, bbls., same basis.lb. .19¾ - —
71-75%, bbls., same basis.lb. .20¼ - —
Oxide, dcma., pure, bbls...lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .26 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Chrome, tetrahydroxide, bbls.lb. .35 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.25 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb. .75 - .80
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.91
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. .93 - 1.00
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .13 Nom.
white sorts, 1, bgs.....lb. .25 - .35
2, bgs.....lb. .24 - .34
powd., bbls.....lb. .15 - .18
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .19 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .36½ - —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ¼c. higher for 1-9 bgs.

Gum, Congo 2, cloudy, white, bgs., c.l., same basis..lb. .28½- —
3, selected pale straw ..., bgs., c.l., same basis..lb. .18⅝- —
4, pale bold straw, bgs same basis..lb. .19¼- —
5, pale, straw bold bg c.l., same basis..lb. .15 - —
6, pale amber bold, bgs.. same basis..lb. .15⅝- —
7, pale, straw ... c.l., same basis..lb. .12½- —
8, light amber bold bgs same basis..lb. .12 - —
9, medium light amber ... bgs., c.l., same basis..lb. .08⅞- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09⅜- —
11, hard dark amber bold bgs., c.l., same basis..lb. .07⅝- —
12, selected, bold sorts bgs c.l., same basis..lb. .07 - —
13, dark sorts bold bgs. c.l same basis..lb. .06¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .16½- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .07⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05⅞- —
17, pale, fingers, bgs., c.l., same basis..lb. .15 - —
18, pale straw nubs, bgs., c.l., same basis..lb. .12½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11¾- —
20, hard dark ... bgs., c.l., same basis..lb. .08⅞- —
21, ordinary elected nubs c.l., same basis..lb. .07⅜- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .13½- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .06¾- —
26, pale, bold chips, bgs., c.l., same basis..lb. .06½- —
27, pale small ... bgs c.l., same basis..lb. .06½- —
28, pale dust, bgs., c.l., same basis..lb. .04¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .05 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis.lb. .04 - —
dust, bgs., c.l., same basis to. .03¾- —
nubs and chips, bgs., c.l., same basis..lb. .04 - —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅜- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis..lb. .12 - —
chips, bgs., c.l., same basis..lb. .05⅜- —
dust., bgs., c.l., same basis..lb. .03⅜- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .06⅜- —
dust, bgs.,c.l.,same basis.lb. .03⅜- —
nubs, bgs., c.l., same basis, lb. .09⅜- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .12¼- —
light, bskts., c.l., same basis..lb. .14½- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
B, bskts.,c.l.,same basis.lb. .10¾- —
C, bskts., c.l., same basis, lb. .10⅜- —
CNE, bskts., c.l., same basis..lb. .07 - —
D, bskts., c.l., same basis, lb. .03⅝- —
DK, bskts., c.l., same basis lb. .06¾- —
dust, bskts.,c.l., same basis lb. .05¾- —
Sambas and white spitt chips, bskts, c.l., same basis..lb. .14 -
Singapore, dust., bskts., c.l. same basis..lb. .05¾- —
spirit-soluble, CBB, bskts., basis..lb. .03¾- —
DBB, bskts., c.l., same basis..lb. .03½- —
MA, bskts., c.l., same basis lb. .06¾- —
MB, bskts., c.l., same basis, lb. .06¼- —
WE, bskts., c.l., same basis, lb. .03½- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .07½- —
chips, pale, bskts., c.l., same basis..lb. .00¾- —
chips, pale, small, bskts., c.l., same basis..lb. .07⅞- —
extra pale sorts, bskts., c.l., same basis..lb. .09¼- —
nubs, bskts., c.l., same basis..lb. .11⅝- —
pale, scraped, bskts., c.l., same basis..lb. .12 - —
seeds and dust, bskts., c.l., same basis..lb. .06¾- —
Pontianak, bold., genuine, bgs., same basis..lb. .15¼- —
mixed, ... c.l., same basis..lb. .13⅝- —
split, bgs., c.l., same basis, lb. .12 - —
chips, bgs., c.l., same basis, lb. .07¼- —
nubs, bgs., c.l., same basis, lb. .10¼- —
Dammar, Batavia, A, cs, c.l., same basis as copal..lb. .21 - —
A/D, cs., c.l., same basis.lb. .13½- —
A/E, cs., c.l., same basis.lb. .12 - —
B, cs., c.l., same basis..lb. .19½- —
C, cs., c.l., same basis.....lb. .14¼- —
D, cs., c.l., same basis...lb. .13 - —
dust., cs., c.l., same basis.lb. .05⅞- —
E, cs., c.l., same basis...lb. .07⅝- —
F, cs., c.l., same basis...lb. .07⅝- —
Singapore 1, cs., c.l., same basis..lb. .13¾- —
2, cs., c.l., same basis....lb. .10¾- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .09¼- —
dust., cs., c.l., same basis, lb. .05⅝- —
seeds, cs., c.l., same basis, lb. .07⅝- —
Elemi, cns., c.l., same basis as copal..lb. .10¼- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contra or single shipt., 16,000 lbs., lb. .00¼- .00¾

Gum, ester, less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., western N.Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contra. or straight c.l. .....lb. .06¾- .07
l.c.l., same basis.....lb. .07 - .07½
dlvd., elsewhere, 75,000 lbs., contra. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs. .....lb. .22 - .23
Galbanum, cs. .....lb. 1.00 - 1.50
Gamboge, pipe, cs.....lb. .55 - .60
powd., bbls.....lb. .60 - .65
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Mauri, brown, XXX, cs., c.l., lb. .00 - —
BX, cs., c.l., same basis..lb. .36 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½ - —
50%, chips, cs., c.l., same basis..lb. .12¼- —
pale, XXX, cs. same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3 cs. c.l. same basis..lb. .17½- —
Kino, tins .....lb. 3.50 Nom.
Locust bean, powd., bbls....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. No prices
Myrrh, USP, cs.....lb. .55 - .56
Olibanum, cs. .....lb. .07½- .21
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .35 Nom.
Scammony, cs. .....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .30 Nom.
sorts, bgs.....lb. .13 Nom.
Talha, bgs.....lb. .14 Nom.
Thus, bbls. .....280 lbs.14.50 -14.75
Tragacanth, Alleppo, 1 cs....lb. No prices
2, cs.....lb. No prices
3, cs.....lb. No prices
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .08 Nom.
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equal.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00- —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald. ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.14.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Acme, Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Piasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 3.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

## H

Hawthorn berries, bgs.....lb. .28 - .29
Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd, bbls..lb. .18 - .20
Helonias root, bls.....lb. .50 - .55
Hematine crystals, bbls.....lb. .18 - .28
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03 - —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .05½- .06
Henbane leaves, bls.....lb. .18 - .20
Henna leaves, bls.....lb. .12 - .12½
powd., bbls., bxs.....lb. .16 - .17
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .05½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .50 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs., or more, shipments, same basis, lb. .38 - —
fib., ctns., same basis....lb. .40 - —
Hematropine hydrobromide, bots., 25 ozs. .....oz.13.00 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .23 - .24
Horehound, bls.....lb. .09 - .10
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.15.25 - —
cns., 16 ozs. .....oz.15.00 - —
Hydrochloride, bots., 4 ozs...oz.15.25 - —
cns., 16 ozs. .....oz.15.00 - —
Sulphate, bots., 4 ozs.....oz.16.25 - —
cns., 16 oz. .....oz.16.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. R.lb. .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.14.60 -15.00
Hyoscyamine, bots. .....oz.10.00 - —
Hydrobromide, bots. .....oz.10.00 - —
Sulphate, bots. .....oz.10.00 - —
Hypernic, crbys., bbls.....lb. .25 - —
ext., bbls. .....lb. .13 - —

## I

Iceland moss, bls.....lb. .15 - .22
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.66 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85



Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs.....lb. 1.07 - —
less 6%, kgs., 150 lbs....lb. 1.07 - —
resubl., bots., 5 lbs.....lb. 1.35 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 1.70 - —
cbys., 5 gals.....gal. 1.75 - 1.80
mild, bbls., 47 gals.....gal. .95 - —
cbys., 5 gals.....gal. 1.00 - 1.05
Iodoform, dms., 100 lbs.....lb. 3.95 - —
jars, 25 lbs.....lb. 4.95 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.20 - 1.25
powd., bxs. .....lb. 1.30 - 1.35
Irish moss, ordinary, bls.....lb. .14 - .16
powd., 80-90 mesh, bbls...lb. .25 - .27
prime, bleached, bls.....lb. .23 - .28
Iron acetate, N. F. IV, cbys, 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms.....100 lbs. 4.65 - 6.25
150-lb. dms..... .100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
Acetate, liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns .....lb. .07½- —
USP VIII, pearls.....lb. .73 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .84
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots .....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.90 - —
syrup, djns.....lb. .87 - .96
bots .....lb. .83 - —
Nitrate, comil., kgs.....lb. .02¾- .03
Iron, oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .83 - —
scales, cns.....lb. .83 - .86
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .63 - —
ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., bbls., 275 lbs..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs.....lb. .20 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .46 - —
Iron-soda oxalate, bxs.....lb. .20 - —
fib., dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .42 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .09½ - —
W. of Rockies, frt. alld..lb. .10 - —
55 gls., c.l., E. of Rockies, frt. alld..lb. .061 - —
W. of Rockies, frt. alld, lb. .06½- —
l.c.l., E. of Rockies, frt. alld..lb. .066 - —
W. of Rockies, frt. alld, lb. .07 - —
tanks, E. of Rockies, frt. alld., lb. .051 - —
W. of Rockies, frt. alld..lb. .05½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
W. of Miss., frt. alld., gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

## J

Jacorandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .21 - .23
resin., lump, cns.....lb. 3.70 - —
powd., bxs.....lb. 3.75 - —
Juniper berries, bgs.....lb. .09 - .12

## K

Kamala, tins.....lb. .25 - .28
Kaolin (see China clay).
Kava kava root, bls.....lb. .13 - .15
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .04⅝- .04⅝
Gulf ports, p.w., bulk....gal. .03⅝- .03⅝
w.w., bulk..gal. .03⅛- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04⅜
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03½- .04¼
42-44 w.w., tanks.....gal. .03⅝- .04⅝
Pennsylvania, 45 w.w., tanks gal. .04⅝- .04⅝
46 w.w., tanks.....gal. .04⅝- .05
47 w.w., tanks.....gal. .04⅝- .05¼
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08 - —
Chicago .....gal. .10 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10 - —
Minneapolis .....gal. .104 - —
New Orleans .....gal. .11 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).

SEP 1939
XUM

# NOW 5 TO BE PROUD OF!

THE Dutch Boy is normally a modest little fellow. But he can't repress a grin of satisfaction when he glances down at his five "marks of distinction." Each one stands for a high-quality white-lead. With five different "leads" to choose from, the paint manufacturer has a much better chance to get exactly what he wants. A better chance to get a white-lead with precisely the paint-making characteristics he's been looking for.

Here's the wide choice that the Dutch Boy offers: First, you have those two old standbys, Dutch and Carter. Next comes H.T.S. with its increased paint-thickening power, tinting strength and hiding power. Then there are the new 333 and 111 White-Leads. Both have higher paint-thickening power, tinting strength and hiding power than any other white-lead on the market. For example, No. 111 rates about twice as high in these qualities as Dutch.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember, also, that the more white-lead you use the better the paint. Step up the white-lead in your formula—and you automatically step up the quality and durability of your paint.

**NATIONAL LEAD COMPANY**—111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 316 Fourth Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Building, Philadelphia.

Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .10

# L

**Lady slipper root, bls.....lb. .38 - .40**
**Lanolin (see Adeps lanae).**
Lard, city, tubs.....100 lbs. 9.50 Nom.
Middlewestern, trcs....100 lbs. 8.75 Nom.
Neutral, trcs.....100 lbs. 9.75 Nom.
Western, choice, trcs..100 lbs. 8.75 Nom.
Compound, trcs.....100 lbs. 9.25 - 9.50
Larkspur seed, bgs.....lb. .45 - .46
Laurel berries, bls.....lb. .13 - .14
Leaves, Greek, bls.....lb. .08 - .09
Lavender flowers, ordinary, bls..lb. .40 - .45
medium, bls.....lb. .40 - .46
select, bls.....lb. .45 - .75
**Lead acetate, white, broken, bbls..lb. .11 - —**
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
**Arsenate, bgs., c.l., dealers..lb. .10 - .11**
**l.c.l., bgs., dealers.....lb. .1015- .11¼**
**Lead arsenate prices are works or whse basis. frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.**
**Blue, basic sulphate, bbls., c.l., dlvd. E...lb. .06¼- —**
**dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah. Wash., Wyo. .....lb. .06¼- —**
**l.c.l., dlvd., E.....lb. .06¼- —**
**l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —**
**Carbonate (see Lead, white).**
**Chloride, pure, bots., 5 lbs..lb. .62 - —**
**lb., dms., 25 lbs.....lb. .49 - —**
**Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.67 - —**
**jars .....lb. 2.55 - —**
**Linoleate, pale, precip., dms., lb. .19 - —**
**Metal (see daily quotations in market report)**
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls. .....lb. .11 - .14
Oleate, bbls. .....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, $Pb_3O_4$, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .0835- —
other points .....lb. .0810- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash...lb. .08½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09¼- —
Colo., Mont., N. Mex., Wyo...lb. .09 - —
other points.....lb. .08½- —
smaller lots, etc.....lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
97%, $Pb_3O_4$, bbls., c.l. (20 tons), dlvd., Ala., etc., lb. .0860- —
other points.....lb. .0835- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .25 - —
**Sulphate (see Lead, white, basic sulphate).**
**Titanate, bbls., c.l. (20 tons), works, frt. alld..lb. .10 - —**
**l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —**
**Pac. Coast, ex whse....lb. .10¼- —**
**smaller lots, E. frt. alld. lb. .10½- —**
**Pac. Coast, ex whse....lb. .10½- —**
**White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —**
**other points.....lb. .07 - —**
**l.c.l., dlvd., Ariz., etc.lb. .07¼- —**
**other points.....lb. .07¼- —**
**basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼- —**
**other points.....lb. .06¼- —**
**basic sulphate, l.c.l., dlvd., Ariz., etc..lb. .06¾- —**
**other points.....lb. .06½- —**
**in oil, 100-lb. kgs., consumers..lb. .12¼- —**
**dealers .....lb. .10¼- —**
**painters .....lb. .11¼- —**
**Lecithin, 100%, cns., f.o.b., N. Y., or Chi....lb. 2.50 - —**
**edible, grade 1, dms., c.l., same basis..lb. .45 - —**
**l.c.l., same basis.....lb. .47½- .65**
**grades 2 or 3, dms., c.l., same basis..lb. .47½- —**
**l.c.l., same basis.....lb. .50 - .67½**
**grade 4, dms., c.l., same basis..lb. .50 - —**
**l.c.l., same basis.....lb. .53½- .70**
**purified, cs., dms., c.l., same basis..lb. .65 - —**
**l.c.l., same basis.....lb. .67½- .86**
**tech., grade 1, dms., c.l., same basis..lb. .85 - —**
**l.c.l., same basis.....lb. .87½- .55**
**grades 2 or 3, dms., c.l., same basis..lb. .37½- —**
**l.c.l., same basis.....lb. .40 - .67¼**
Lecithin, grade 4, dms., c.l., same basis..lb. .40 - —
l.c.l., same basis.....lb. .42½- .60
**Lecithin prices quoted above are for goods packed in 25, 50, or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.**
Lemon peel, bls.....lb. .15 - .16
**Licorice extract, mass, cs.....lb. .17 - .18**
**powd., bbls.....lb. .24 - .26**
root, cuttings, bls.....lb. .08 - .10
powd., bbls., bxs.....lb. .09 - .12
select, bndls., cs.....lb. .16 - .22
**Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.**
**Bellefonte, Pa.....ton. 7.00 - —**
**Berkley, W. Va.....ton. 7.00 - —**
**Carey, Ohio.....ton. 7.00 - —**
**Cedar Hollow, Pa....ton. 8.50 - —**
**Crab Orchard, Tenn..ton. 6.25 - —**
**Eagle Mountain, Va..ton. 7.00 - —**
**Farnams, Mass. ....ton. 8.00 - —**
**Gibsonburg, Ohio....ton. 7.00 - —**
**Hannibal, Mo.....ton. 6.50 - —**
**Keystone, Ala.....ton. 6.25 - —**
**Knoxville, Tenn. ....ton. 6.25 - —**
**Limedale, Ark.....ton. 7.00 - —**
**Longview, Ala.....ton. 6.25 - —**
**Manistique, Mich....ton. 8.00 - —**
**Marblehead, Ohio....ton. 7.50 - —**
**Martinsburg, W. Va..ton. 7.00 - —**
**Menominee, Mich....ton. 8.00 - —**
**Mitchell, Ind.....ton. 6.50 - —**
**Newala, Ala.....ton. 6.25 - —**
**Rincon, Cal.....ton.15.00 - —**
**Ripplemead, Va. ....ton. 7.00 - —**
**Riverton, Va.....ton. 7.00 - —**
**San Francisco, Cal..ton.12.00 - —**
**Scioto, Ohio.....ton. 6.50 - —**
**Springfield, Mo.....ton. 7.00 - —**
**Woodville, Ohio.....ton. 7.00 - —**
**York, Pa.....ton. 7.00 - —**
**hydrated, paper bgs., f.o.b., Bellefonte, Pa..ton. 8.50 - —**
**Berkley, W. Va.....ton. 8.50 - —**
**Buffalo, N. Y.....ton.10.00 - —**
**Carey, Ohio.....ton. 8.50 - —**
Cedar Hollow, Pa...ton. 8.50 - —
**Crab Orchard, Tenn.ton. 9.00 - —**
**Eagle Mountain, Va..ton. 9.00 - —**
**Farnams, Mass.....ton. 8.50 - —**
**Gibsonburg, O.....ton. 8.50 - —**
**Hannibal, Mo.....ton. 8.50 - —**
**Keystone, Ala.....ton. 9.00 - —**
**Knoxville, Tenn.....ton. 9.00 - —**
**Le Roy, Minn.....ton.10.00 - —**
**Limedale, Ark.....ton. 9.00 - —**
**Longview, Ala.....ton. 9.00 - —**
**Louisville, Ky.....ton.14.50 - —**
**Manistique, Mich....ton. 9.50 - —**
**Marblehead, Ohio....ton. 9.50 - —**
**Martinsburg, W. Va.ton. 8.50 - —**
**Mitchell, Ind.....ton. 9.00 - —**
**Newala, Ala.....ton. 9.00 - —**
**Potoskey, Mich.....ton. 9.00 - —**
**Port Island, Mich....ton. 9.00 - —**
**Rapid City, S. D....ton.12.00 - —**
**Ripplemead, Va. ....ton. 9.00 - —**
**San Francisco, Cal..ton.16.00 - —**
**Springfield, Mo. ....ton. 9.00 - —**
**Woodville, Ohio.....ton. 8.50 - —**
**York, Pa.....ton. 8.50 - —**
**spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —**
**Carey, Ohio.....ton.11.00 - —**
**Farnams, Mass.....ton. 9.50 - —**
**Gibsonburg, Ohio....ton.11.00 - —**
**Marblehead, Ohio....ton.11.00 - —**
**Scioto, Ohio.....ton.10.00 - —**
**Woodville, Ohio.....ton.11.00 - —**
**York, Pa.....ton. 9.00 - —**
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms, same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd., gal. .11½- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers.....gal. .08½- —
30-50 dms.....gal. .11 - .15
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penn. eastern tier. and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California. which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va.. Pa.—all counties lying east of the western boundary of Bedford, Blair, Center. Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.
**Linalool, cns.....lb. 2.10 - 3.30**
Linalyl acetate, cns., 25 lbs...lb. 1.81 - 2.65
Linden flowers, with leaves, bls.lb. .35 - .45
without leaves, bls.....lb. .30 - .40
Linseed, cake, bgs., export...ton.31.00 -32.00
Meal, 34%, bgs.....ton.41.00 -42.00
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0710- —
dlvd., other points....lb. .0685- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .07½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07¼- —
smaller lots, dlvd., Ala., etc. lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
other points.....lb. .07¾- —
**Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —**
**50 lbs., works.....lb. 1.93 - —**
**25 lbs., works.....lb. 1.95 - —**
**Carbonate, 250-lb., bbls.....lb. 1.25 - —**
**100-lb. kgs.....lb. 1.30 - —**
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Lithium, iodide, 5-lb. bots....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
**Fluoride, bbls. .....lb. 2.10 - 2.25**
Lithopone, dom., high-strength, bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots .....lb. .05¾- —
ordinary, bgs., c.l., (20 tons) lb. .03¾- —
smaller lots .....lb. .04 - —
bbls., c.l., (20 tons).....lb. .04 - —
smaller lots .....lb. .04¼- —
titanated, bgs., c.l. (20 tons) lb. .05¼- —
smaller lots .....lb. .05½- —
bbls., c.l. (20 tons)....lb. .05½- —
smaller lots .....lb. .05¾- —
**Lithopone in car lots is delivered East or the Pacific Coast and in less than car lot quantities delivered East or ex warehouse Pacific Coast.**
Liverwort leaves, bls.....lb. .25 - .26
Lobelia herb, bls.....lb. .11 - .12
Seed, bgs. .....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .56
import, bls. .....lb. .45 - .80
Lupulin, N. E., tins.....lb. 1.35 - 1.40
Lycopodium, cs. .....lb. 1.75 - 1.95

# M

Mace, Banda, cs.....lb. .54 - .55
Batavia, cs.....lb. .37 - .38
Siauw, cs.....lb. .41 - .42
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
1, bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09¼- —
USP, zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l. .....lb. .09¾- —
l.c.l. .....lb. .10½- —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House, Zone 2, balance of U. S.; prices f.o.b., Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Chloride, flake, dom., bbls., wks., c.l..ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls. .....lb. .10 - .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
Import, bgs. .....ton.56.00 -60.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots...lb. .58 - —
100-lb. lots .....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .50 - .90
blue, bls. .....lb. .40 - .85
Leaves, bls. .....lb. .18 - .28
Manaca root, bls.....lb. .28 - .29
Mandrake root, bls.....lb. .10½- .11
**Manganese acetate, dms.....lb. .26½- —**
**Arsenate, bgs. .....lb. .12 - .12¼**
**Borate, tech., bbls.....lb. .15 - .16**
**Carbonate, bbls. .....lb. .19 - —**
**Chloride, bbls. .....lb. .06¼- .06½**
Dioxide, African, battery, 84-87%, bgs. 28-40 tons, works..ton.54.50 - —
5-15 tons, works.....ton.57.50 - —
½-4 tons, works.....ton.62.50 - —
500-600 lbs., works..ton.72.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works...ton.54.50 - —
smaller lots, works...ton.59.50 - —
burlap bgs., c.l., works.ton.49.25 - —
l.c.l., 5 tons, works...ton.52.25 - —
smaller lots, works.ton.57.25 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works..ton.50.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.01 - —
**smaller lots .....lb. 2.71 - —**
**cns., 25 lbs.....lb. 2.88 - —**
**solut., djns., 1,000-lb. lots..lb. .61 - —**
**smaller lots.....lb. .71 - —**
**cns., 25 lbs.....lb. .81 - —**
**Hydrate, bbls., dlvd.....lb. .82 - —**
**Iodide, bots., 5 lbs.....lb. 5.45 - —**
**jars, 25 lbs.....lb. 5.30 - —**
**Linoleate, liquid, 4%, dms...lb. .18 - .19½**
**solid, precip., 8.2%, bbls..lb. .19 - —**
**Ore, 50-52% basic, bbls., c.l., Alt. ports..unit-ton. .20 Nom.**
**Resinate, fused, 2½%, bbls..lb. .08¼- .08½**
**precip., dms.....lb. .12 - —**
**Sulphate, anhyd., bbls., works, lb. .07 - .07½**
cryst., 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.48.75 - —
l.c.l., bgs.....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory, unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .08¼- —
smaller lots works lb. .04 - —
Mangrove bark, bgs., shipt...ton. No prices
Manna flake, large, cs.....lb. .60 - .65
small, cs. .....lb. .40 - .45
Mannitol, reagent, pure cryst., cs., works..lb. .95 - 1.00
commercial, cryst., bbls., ton lots, works..lb. .42 - —
smaller lots, works.....lb. .50 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .35 - .40
Tunisan, bls.....lb. .33 - .35
Chilean, bls.....lb. .19 - .20
Matico leaves, bls.....lb. .25 - .30
Menthol, USP, natural, cs.....lb. 3.00 - 3.10
**synthetic, tech., cs.....lb. 2.25 - —**
**USP, cs.....lb. 3.00 - —**
**liquid, dms., 50 lbs.....lb. 1.25 - —**
**Methyl salicylate, tins, 100-lb. lots..lb. 2.00 - —**
**25-lb. lots.....lb. 2.10 - —**
**Mercurial ointment 30%, (See Red, mercury oxide).**
50 lbs.....lb. .91 - —
25 lbs.....lb. .93 - —
50%, pails, 50 lbs.....lb. 1.32 - —
25 lbs.....lb. 1.34 - —

## Kieserite—Methyl Violet

**Mercury (see Quicksilver).**
**Ammoniated (see white precipitate).**
**Bichloride (see Corrosive sublimate).**
Bisulphate, bots., 5 lbs.....lb. .2.02 - 2.04
fib., dms., 100 lbs.....lb. 1.89 - —
jars, 25 lbs.....lb. 1.91 - —
**Chloride (see Calomel).**
Iodide, red, N.F., bots., 5 lbs.lb. 3.91 - 3.95
cns., 25 lbs.....lb. 3.80 - 3.85
fib., dms., 100 lbs.....lb. 3.80 - 3.85
yellow, bots., 5 lbs.....lb. 4.01 - 4.05
cns., 25 lbs.....lb. 3.90 - —
fib., dms., 100 lbs.....lb. 3.90 - —
**Nitrate ointment (see Citrine ointment).**
Oxide, red, N.F. (see Red precipitate).
(sech. (See Red, mercury oxide).
Yellow, dom., tech., bbls...lb. 1.71 - —
**USP, fib. dms., 50 lbs. or more..lb. 2.23 - —**
**Mercury and chalk, ctns., 5 lbs., lb. 1.36 - —**
fib., dms., 25 lbs.....lb. 1.24 - 1.29
**Mesityl oxide, cns., works.....lb. .16 - .18**
**dms., c.l., dlvd.....lb. .11¼- —**
**l.c.l., dlvd.....lb. .12 - —**
**tanks, dlvd.....lb. .10¼- —**
**Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75**
**composition, 5½x5½ in..pkg. 1.70 - 1.80**
**gold, XX deep, 23K, 3¾x3¾ in..pkg.15.25 -15.75**
**23K, 3¾x3¾ in.....pkg.16.15 -17.50**
**4x4 in.....pkg.19.50 -20.00**
**3¾x5-7/8 in.....pkg.22.50 -23.00**
**3¾x5-7/8 in.....pkg.24.50 -25.00**
**Silver, 3¾x3¾ in.....pkg. 2.75 - 2.85**
**Metanitroparatoluidin, bbls....lb. 1.30 - —**
**Metaphenylenediamine, kgs....lb. .65 - —**
**Metatoluylenediamine, kgs.....lb. .65 - —**
**Methanol, natural, denat., grade, tanks..gal. .40 - —**
**97%, tanks.....gal. .52 - —**
**99%, tanks.....gal. .51 - —**
**Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums. car lots.**
synth., pure, dms., c.l., Zone 1, frt. alld..gl. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd., gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2. Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.
**Alcohol (see Methanol).**
**Anthranilate, bots.....lb. 2.10 - 2.30**
**Benzoate, cns., 25 lbs.....lb. .70 - 1.20**
**Bromide, cyl. .....lb. .66 - .76**
**Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders.lb. .32 - —**
service men and consumers, cyl..lb. .36 - —
Chloride, refrigeration, service men and consumers, 60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
**service men and consumers, cyl..lb. .40 - —**
**tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —**
**service men and consumers, lb. .35 - —**
**Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 90-lb cylinders are uniformly 10c. per pound higher than above prices.**
**Cinnamate, bls.....lb. 1.85 - 2.00**
**Formate, dms. .....lb. .35 - .50**
**Lactate, dms., l.c.l., dlvd..lb. .30 - —**
**Iodide, bots.....lb. 2.68 - 2.90**
Salicylate, dms.....lb. .35 - .37—
cns. .....lb. .37 - .40
**Violet toner, bbls.....lb. .28 - —**
**permanent, bbls. .....lb. .30 - —**

## Methylamyl Ket.—Oil, Bergamot

Methylamyl ketone, dms., works, l.c.l..lb. .38 - —
smaller containers, same basis, lb. .39 - —
Methylcyclohexane, 98-100% dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .28
Methylethyl ketone, dms., c.l., frt., pd., E. of Rocky Mts..lb. .06 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .05 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb. 23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.60
imp. bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.13.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bags., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs., extra and returnable, c.l., works, ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1, quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works..ton.50.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E.....lb. .04¼- —
l.c.l., ex-whse., or frt. alld., E..lb. .04¾- —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex-whse., or frt. alld., E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E..lb. .04 - —
l.c.l., ex-whse., or frt. alld., E...lb. .04½- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls.,c.l.lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l. .....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .04 - .04½
early fortune, bgs.....lb. .03½- .04
hulled, bgs.....lb. .06¼- .06¾
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .04¼- —
f.o.b., New Orleans....gal. .03¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., works lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylaniline, dms. .....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd. .....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs. .....oz.10.00 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs. .....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Morphine, sulphate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .75 - .80
Mullein flowers, cans.....lb. .90 - 1.00
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
poda, caddies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.00 - —
5 lbs. to 75 lbs.....lb. 3.25 - —
1 lb. .....lb. 3.40 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb. .....lb. 3.80 - —
xylol, cns., 100 lbs., or more, lb. .90 - —
5 lbs. to 75 lbs.....lb. 1.00 - —
1 lb. .....lb. 1.15 - —

Musk root, bls.....lb. .40 - .41
Mustard seed, Bombay, brown, bgs..lb. No stocks
California, brown, bgs.....lb. .06¼- .06¾
Chinese, yellow, bgs.....lb. .06½- .06¾
Danish, yellow, bgs.....lb. No stocks
Dutch, yellow, bgs.....lb. .15 - .15½
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. No stocks
Myrobalans, J1, bgs., shpt...ton. No prices
J2, bgs., shpt.....ton. No prices
R2, bgs., shpt.....ton. No prices
Extract, liquid, 25%, bbls....lb. No prices
solid, 50% bbls.....lb. No prices
powdered, 70% bbls.....lb. No prices

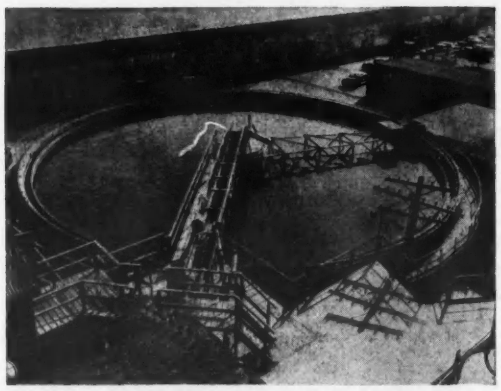
## N

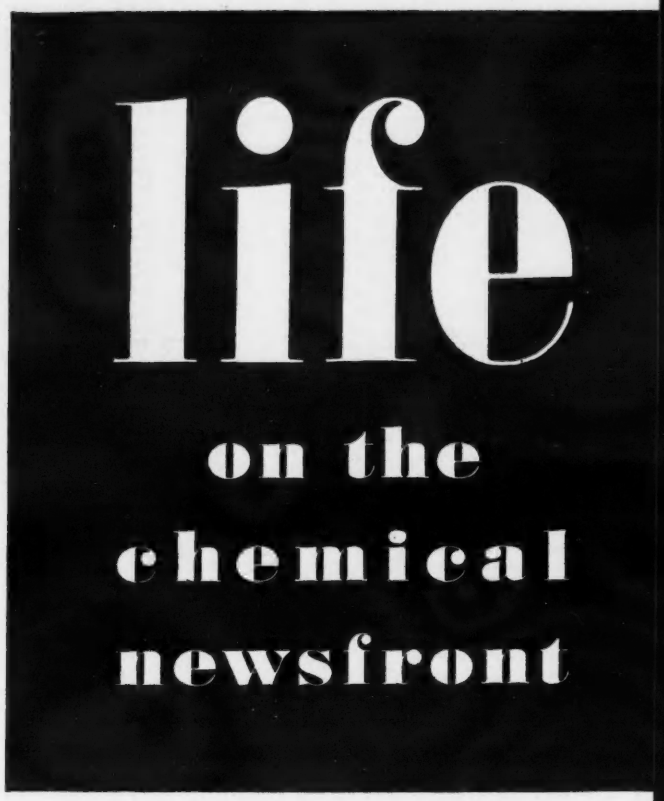
Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 - —
bgs., bbls., l.c.l., works, 100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works.. 100 lbs. 2.50 - —
l.c.l., works .....100 lbs. 2.75 - 2.85
import, bgs., Atl. ports.100 lbs. No prices
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .05¾- —
50-lb., cs., same basis..lb. .06 - —
pkgs. (16 oz.), same basis, lb. .06½- —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .05¼- —
rice, cryst., powd., bbls., same basis..lb. .05¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb., tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.21 3- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk., f.o.b. Carrollville, Wis., divd.....unit-ton. 1.90 - —
f.o.b. Chemical, Ill., unit-ton. 1.90 - —
East Coast producing points, unit-ton.. 2.30 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nutgalls, Alleppo, bgs., cs ..lb. .28 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19 - .20
110s, bgs., cs.....lb. .18 - .19
West Indian, bgs.....lb. .12 - .12½
Nux vomica, bls.....lb. .05½- .06
powd., bbls., bxs.....lb. .07½- .08

## O

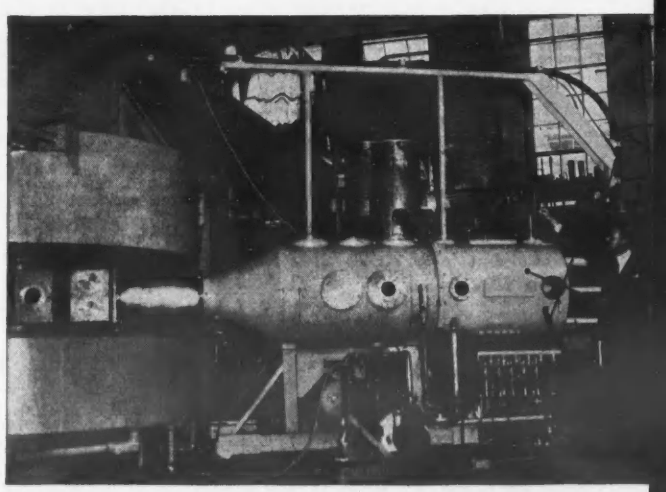
Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3 .....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots. .....lb. 1.90 - 2.00
s.p.a., bots. .....lb. 1.95 - 2.05
sweet, true, exp., cns....lb. .60 Nom.
Amber, crude, cns.....lb. .19 - .20
ref'd, cns. .....lb. .50 - .51
Amyris [illegible] lb. 3.00 - 3.25
Angelica root, bots.....lb.45.00 Nom.
seed, bots.....lb.75.00 Nom.
Anilin (see A).
Anise, USP, cns., dms.....lb. .75 Nom.
Apricot, kernels, cns.....lb. .28 - .32
Babassu, tanks.....lb. .07 Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.05 Nom.
55-60% phenols, cns.....lb. 1.20 Nom.
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 3.90 Nom.
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).

(*Above*) **SULPHUR,** one of the most difficult substances to wet, succumbs easily to the remarkable wetting power of AEROSOL† in a dilute solution in the beaker at left. Note how quickly and thoroughly the sulphur is wet, while plain water, at right, has no effect—as the sulphur will not sink, but floats on surface. One type of AEROSOL agent is a series of esters of sulfonated di-carboxylic acid, and another is an alkyl naphthalene sulfonate. They are used in many applications: adhesives, cosmetics, detergents, leather finishes, printing inks and many others.






(*Left*) **UNUSUAL CHEMICAL METAMORPHOSIS** takes place when Cyanami beginning with the slurry tank at top, utilizes by-products to make dens tough, firesafe, synthetic gypsum products for the building industry. In t form of two-inch thick metalbound PLANK**, shaped like lumber a equivalent in insulating value to approximately ten inches of masonry, is widely used for firesafe, roof-deck construction in industrial building Strong and light in weight, it can be cut, sawed, nailed like wood, but unli wood, it is rot-proof and termite-proof.



(*Above*) **GUN AND CHIEF GUNNER** are shown here as Dr. E. O. Lawrence, D rector of the University of California's Radiation Laboratory, makes a fi adjustment on the new 225-ton Cyclotron. In preliminary tests it produc a 16,000,000-volt beam of Deuterons—Atomic bullets with which scien hopes to open new fields of research incalculable in value. Any one of t 92 chemical elements may be used as a target, and it has already been esta lished that most of them become radio-active during bombardment.

| | | | |
|---|---|---|---|
| Oil, birchtar, crude, dms. | lb. | .15 - | .18 |
| rectified, cns. | lb. | .60 - | .65 |
| Bois de rose, Brazil, cns. | lb. | 1.45 | Nom. |
| Cade, USP IX (see Oil, juniper tar). | | | |
| Cajeput, tech., dms. | lb. | .44 | Nom. |
| USP IX, cns. | lb. | .50 | Nom. |
| Calamus, cns. | lb. | 5.50 | Nom. |
| Camphor, sassafrassy, cns. | lb. | .30 | Nom. |
| dms. | lb. | .28 | Nom. |
| white, cns. | lb. | .36 | Nom. |
| dms. | lb. | .34 | Nom. |
| Cananga, native, cns. | lb. | 1.05 | Nom. |
| rectified, cns. | lb. | 1.50 | Nom. |
| Capsicum (oleoresin) N. F. VI. | | | |
| cns. | lb. | 2.00 - | 2.30 |
| Caraway, USP, cns. | lb. | 1.70 | Nom. |
| Cardamom bots. | lb. | 12.50 | 25.50 |
| Cassia, USP, cns, dms. | lb. | 1.00 | Nom. |
| Castor blown, one-way dms. c.l. | lb. | .10¾- | — |
| l.c.l. | lb. | .11½- | — |
| medicinal, bbls., c.l. | lb. | .09¼- | — |
| l.c.l. | lb. | .10 - | — |
| cns. (1-gal.), l.c.l. | lb. | .13 - | — |
| dms. (returnable), c.l. | lb. | .09 - | — |
| l.c.l. | lb. | .09¾- | — |
| (5-gal.), l.c.l. | lb. | .11 - | — |
| tanks | lb. | .08½- | — |
| No. 3, bbls., c.l. | lb. | .08¾- | — |
| l.c.l. | lb. | .09½- | — |
| dms. (returnable), c.l. | lb. | .08½- | — |
| l.c.l. | lb. | .09¼ - | — |
| tanks | lb. | .08 - | — |
| dehydrated, dms., c.l. | lb. | .121 - | — |
| l.c.l. | lb. | .126 - | — |
| tanks | lb. | .115 - | — |

Castor oil, med. and No. 3 prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

| | | | |
|---|---|---|---|
| Oil, castor, sulphonated, 50% (43% fat), dms., c.l. | lb. | .06 - | — |
| c.l. | lb. | .07 | |
| 75% (63% fat), dms., c.l. | lb. | .08¾- | — |
| l.c.l. | lb. | .09¾- | — |
| 80% (68% fat), dms., c.l. | lb. | .09¼- | — |
| l.c.l. | lb. | .10¼- | — |
| Cedarleaf, cs. | lb. | .62 | Nom. |
| dms. | lb. | .57 | Nom. |
| Cedarwood, Oregon, cns., dms. | lb. | .28 - | .30 |
| Southern, cns., dms. | lb. | .17 - | .21½ |
| Celery, bots. | lb. | 6.50 - | 8.75 |
| Chaulmoogra, USP, cns., 500 lbs. | lb. | .72½- | — |
| 25 lbs. | lb. | .75 - | — |
| Chinawood, dms. | lb. | .27 | Nom. |
| tanks | lb. | .26 | Nom. |
| Cinnamon, Ceylon, bots. | lb. | 8.50 | -25.00 |
| Seychelle bots. | lb. | 6.50 | - 7.50 |
| Citronella, Ceylon, cns. | lb. | .35 | Nom. |
| dms. | lb. | .33 | Nom. |
| Java, cns., dms. | lb. | .29 | Nom. |
| Clove, makers, USP, cns. | lb. | 1.30 | Nom. |
| dms. | lb. | 1.25 | Nom. |
| Coconut, Manila, crude, tanks, | lb. | .04 | Nom. |
| Pac. Cst. | lb. | .03¾ | Nom. |
| Coconut, edible, 76°, tax incl., dms. (returnable), c.l. | lb. | .09 | Nom. |
| l.c.l. | lb. | .09¼ | Nom. |
| tanks | lb. | .07⅝- | — |
| Cod, Newfoundland, shipt., un-tanked. | gal. | No prices | |
| Norwegian, shipt., bbls. | gal. | No prices | |
| Codliver, med., USP, bbls. | bbl. | 40.00 | Nom. |
| Coriander, bots. | lb. | 12.00 | Nom. |

| | | | |
|---|---|---|---|
| Oil, corn, crude, tanks, wks. | lb. | .07 | Nom. |
| refd., bbls. | lb. | .09 | Nom. |
| Cottonseed, dom., cooking, bbls. | lb. | .09 - | — |
| salad, bbls. | lb. | .09½- | — |
| import, Brazilian, semi-refd., bulk. | lb. | No prices | |
| Creosote (see C). | | | |
| Croton, USP, cns. | lb. | 1.15 | Nom. |
| Cubeb, USP, cns. | lb. | 2.50 | Nom. |
| Crude (see Petroleum, crude). | | | |
| Cumin, bots. | lb. | 6.75 | Nom. |
| Cypress, dom., bots. | lb. | 5.25 | Nom. |
| import, cns. | lb. | 12.00 | Nom. |
| Degras (see D). | | | |
| Diesel, Bayonne, bulk | bbl. | 1.65 - | — |
| California, 24 plus, bulk | bbl | 1 55 - | — |
| Dill seed, bots. | lb. | 2.70 | Nom. |
| weed, bots. | lb. | 3.60 | Nom. |
| Dip (see D) | | | |
| Erigeron, cns. | lb. | 2.40 | Nom. |
| Eucalyptus, cns. | lb. | .44 | Nom. |
| dms. | lb. | .42 | Nom. |
| Fennel, sweet, cns. | lb. | 1.05 | Nom. |
| Fuel, bunker, California, tide-water. | bbl. | .90 - | — |
| Gulf Coast. | bbl. | .80 - | .85 |
| Louisiana, Arkansas, 10-14, | bbl. | .85 - | 1.00 |
| N. Y. and N. J. terminals:— | | | |
| Monday | bbl. | 1.05 - | — |
| Tuesday | bbl. | 1.05 - | — |
| Wednesday | bbl. | 1.05 - | — |
| Thursday | bbl. | 1.05 - | — |
| Friday | bbl. | 1.05 - | — |
| Saturday | bbl. | 1.05 - | — |
| North Texas, 18-22. | bbl. | .85 - | .90 |
| 24-28, zero cold test. | bbl. | 1.00 - | 1.00 |

## Oil, Bergamot—Neatsfoot

| | | | |
|---|---|---|---|
| Oil, fuel, Oklahoma, 18-22. | bbl. | .85 - | .90 |
| 24-28, zero cold test. | bbl. | 1.00 - | 1.10 |
| 24-28, 18 and above. | bbl. | .85 - | .90 |
| Pennsylvania, 36-40. | gal. | .04 - | .04½ |
| Furnace, Bayonne, 1, bulk, refinery. | gal. | .04½- | — |
| 2, bulk, same basis. | gal. | .04½- | — |
| 4, bulk, same basis. | gal. | .03⅝- | — |
| Louisiana - Arkansas, 32-36, light straw. | gal. | .03¼- | .03½ |
| Oklahoma, 28-30. | gal. | .03 - | — |
| 32-36 | gal. | .03⅝- | .03½ |
| 36-38 | gal. | .03⅝- | .03⅝ |
| 38-40, straw | gal. | .03⅝- | .03⅝ |
| 38-40 zero, 60 c.p. | gal. | .03⅝- | .04 |
| Fusel (see F). | | | |
| Gas, Bayonne, bulk | gal. | .04 - | — |
| Gulf Coast, bulk | gal. | .03½- | — |
| North Texas, bulk | gal. | .02¾- | — |
| Oklahoma, bulk | gal. | .03 - | — |
| Gaultheria (see Oil, wintergreen leaf). | | | |
| Geranium, Algerian, rose, cns., | lb. | 2.50 | Nom. |
| Bourbon, cns. | lb. | 2.65 | Nom. |
| Turkish (see Palmarosa). | | | |
| Grapefruit, cns. | lb. | 1.50 | Nom. |
| Grapeseed, dms. | lb. | .40 | Nom. |
| Ginger, dist., bots. | lb. | 4.23 | Nom. |
| Guaiac wood, concrete, bots. | lb. | 2.10 | Nom. |
| Haarlem, import, bots. | gross. | 3.15 | Nom. |
| Hemlock, cns. | lb. | .65 - | .70 |
| Juniper berry, USP, cns. | lb. | 1.35 | Nom. |
| Wood, tech., cns. | lb. | .45 - | — |
| Juniper tar, USP XI, 1,000 lbs., dms. | lb. | .40 | Nom. |
| cns. | lb. | .42 | Nom. |
| Lard, common, 1, bbls. | lb. | .08 - | — |
| 2, bbls. | lb. | .07¾- | — |
| extra, bbls. | lb. | .07¾- | — |
| 1, bbls. | lb. | .08½- | — |
| Winter, strained, extra, bbls., | lb. | .08¼- | — |
| prime, burning, bbls. | lb. | .08¾- | — |
| prime, ined., bbls. | lb. | .09 - | — |
| Laurel, bots. | lb. | 4.50 | Nom. |
| Lavandin, cns., 25 lbs. | lb. | 1.50 | Nom. |
| Lavender flower, French 50% ester, cns. | lb. | 4.50 | Nom. |
| 38-42% ester, cns. | lb. | 3.25 | Nom. |
| 35-38% ester, cns. | lb. | 2.75 | Nom. |
| 30-32% ester, cns. | lb. | 2.00 | Nom. |
| garden, cns. | lb. | .42 - | .45 |
| spike, Spanish, tech., cns. | lb. | 1.05 | Nom. |
| dms. | lb. | .93 | Nom. |
| Lemon, Calif., cns. | lb. | 2.75 - | — |
| Messina, coppers, cns. | lb. | 3.40 | Nom. |
| Terpeneless, Type 1. | lb. | 10.75 | -16.50 |
| Type 2. | lb. | 8.50 | -14.50 |
| Lemongrass, native, cns., dms., | lb. | .38 | Nom. |
| Limes, dist., Mexican, cns. | lb. | 2.80 | Nom. |
| West Indian, cns. | lb. | 3.25 | Nom. |
| expressed, cns. | lb. | 6.75 | Nom. |
| Terpeneless, Type 1. | lb. | 42.00 | -46.50 |
| Type 2. | lb. | 60.00 | -78.00 |
| Linaloe wood, cns. | lb. | 1.50 | Nom. |
| Linseed, raw, bbls., c. l. | lb. | .1000- | .1030 |
| l.c.l., 10 to 69 | lb. | .1020- | .1040 |
| 5 to 9 | lb. | .1060- | — |
| less than 5 | lb. | .1080- | — |
| tanks | lb. | .0940- | .0970 |

Boiled linseed oil prices are .004 cents higher than raw.

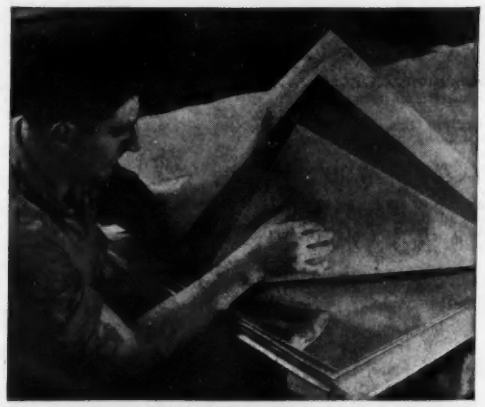
| | | | |
|---|---|---|---|
| Lovage, bots. | lb. | 41.25 | -60.00 |
| Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms. | gal. | .20 - | — |
| 140 vis., dms. | gal. | .25 - | — |
| green, pale, 750, 900 vis., dms. | gal. | .26 - | — |
| green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms. | gal. | .26 - | — |
| Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks. | gal. | .21½- | — |
| 15-25 pour, tanks. | gal. | .20½- | — |
| 150-160 D color, 4½, 0-10 pour, tanks. | gal. | .23 - | — |
| 15-25 pour, tanks. | gal. | .22 - | — |
| 150-160 E, color 5½, 15-25 pour, tanks. | gal. | .21½- | — |
| 190-200 D, color 4¼, 15-25 pour, tanks. | gal. | .20 - | — |
| 200-210 E. 15-25 pour, tanks. | gal. | .25 - | — |
| neutrals, 0-10 pour, 150 vis., 3 color, tanks. | gal. | .13 - | — |
| 180 vis., 3 color, tanks, | gal. | .14 - | — |
| 4 color, tanks. | gal. | .13½- | — |
| 200 vis., 3 color, tanks, | gal. | .14½- | — |
| 4 color, tanks. | gal. | .14 - | — |
| 250 vis., 3 color, tanks, | gal. | .15½- | — |
| 4 color, tanks. | gal. | .15 - | — |
| 280 vis., 3 color, tanks, | gal. | .16½- | — |
| 4 color, tanks. | gal. | .16 - | — |
| 300 vis., 3½ color, tanks, | gal. | .17 - | — |
| 350 vis., same basis. | gal. | .17½- | — |
| 400 vis., same basis. | gal. | .18 - | — |
| 500 vis., same basis. | gal. | .18½- | — |
| 600 vis., same basis. | gal. | .19 - | — |

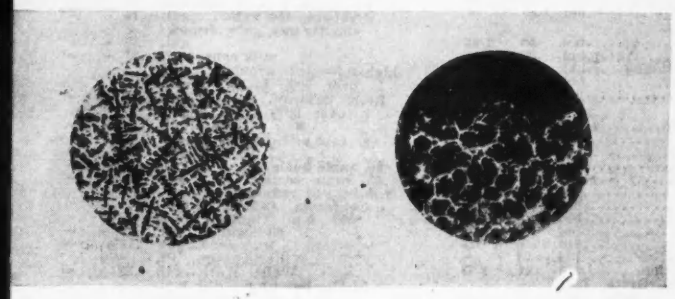
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.

| | | | |
|---|---|---|---|
| Penn., bright, 600, 10-15 pour, tanks. | gal. | .20 - | .23 |
| 25 pour, tanks. | gal. | .19 - | .20 |
| cylinder, 600 fire, tanks, | gal. | .11½- | .13 |
| 600 flash, tanks. | gal. | .14 - | .15 |
| 630 flash, tanks. | gal. | .16½- | .17 |
| 635 fire, tanks. | gal. | .12½- | .14 |
| 650 fire, tanks. | gal. | .13½- | .14 |
| Warren, E, amber, tanks, | gal. | .14 - | — |
| Penna, Warren, E, neutral, 150 vis., 3 color, tanks. | gal. | .19½- | .20 |
| 180 vis., 3 color, tanks. | gal. | .20½- | .21 |
| 200 vis., 2 colors, tanks. | gal. | .21 - | .21½ |
| spot, Penna., bright, bbls., c.l., f.a.s. | gal. | .26 - | — |
| unfiltered, 600 s. r. bbls., f.a.s. | gal. | .19½- | — |
| 600 flash, s. r., bbls., c.l. | gal. | .21½- | — |
| 630 flash, bbls, c.l., f.a.s., | gal. | .24½- | — |
| Warren, E., bbls., c.l., f.a.s., smaller lots, f.o.b. | gal. | .25 - | — |
| Mace, dist., cns., dms. | lb. | 1.20 | Nom. |
| Mandarin, superior, coppers. | lb. | 6.00 | Nom. |
| Menhaden, crude, tanks, f.o.b. Balto. | gal. | .24 | Nom. |
| refd., alkali, dms. | lb. | .0750 | Nom. |
| tanks | lb. | .0690 | Nom. |
| refd., blown, dms. | lb. | .0770 | Nom. |
| kettle-bodied, dms. | lb. | .0870 | Nom. |
| light pressed, dms. | lb. | .0690 | Nom. |
| tanks | lb. | .0630 | Nom. |
| Mineral, white (see Oil, white mineral). | | | |
| Messina, USP, coppers. | lb. | 1.90 - | 3.45 |
| dist., natural, bots. | lb. | 8.50 - | 9.00 |
| Neatsfoot, 20° cold test, bbls., | lb. | .15¼- | — |
| extra, bbls. | lb. | .08½- | — |
| 1, bbls. | lb. | .08¼- | — |
| pure, bbls. | lb. | .12¾- | — |
| prime, bbls. | lb. | .08¾- | — |
| sulphonated, common, 75% moisture, dms. | lb. | .10½- | — |

(*Below*) **6 TONS OF PAPER** and 3,300 pounds of ink were used to print 60,000,000 copies of this new U. S. postage stamp commemorating the 25th anniversary of the opening of the Panama Canal last month. To the ink industry Cyanamid supplies many products, including resins, plasticizers, solvents; and for the paper manufacturer, Cyanamid is "Chemical Headquarters".

*bove*) **IN THIS CHEMICAL PUNCH BOWL** are brewed RCA Kinescope screens which television images are reproduced. Zinc sulphide, which has the propy of fluorescing when struck by electrons, is one of the materials used in king Kinescope screens. Here zinc is being precipitated in the large, mechanlly agitated flask. All chemicals used must be of highest purity, because, example, the presence of as little as one part in 10,000,000 of copper in this minescent material will result in green "ghosts" on the television screen.





*ove*) **X-RAY MICRORADIOGRAPHY** is an advancement in present radiography hnique, pioneered by University of Illinois' Professor G. L. Clark. This v development makes possible a clear delineation of grain boundaries and ry type of inhomogeneity, such as the minutest traces of segregation of one tal in another. The photo at right shows white lines of copper in what was ieved to be the homogeneous solid solution of an aluminum-copper alloy, ile the left hand photo shows dark lines of lead in a leaded-bronze.

*ght*) **WITH PAPER AND PLASTIC** one of the world's best known refrigerators es space *and* increases thermal insulation. Fourteen paper sheets are imgnated with special Beetle* resin, laminated under 15,000,000 pounds pres-e, formed into door panels. Through the use of this low-cost laminated tle plastic both thickness and weight of the door have been reduced. tle's waterproof surface resists impacts, defies nicking and scratches, is y to keep spotless and retains its silky lustre a long, long time—all points ich help sell the consumer. Can you use it?

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## Oil, Neroli—Petroleum

| | | | |
|---|---|---|---|
| Oil, neroli, bots | lb. | 85.00 | -140.00 |
| Nutmeg, USP, cns., dms | lb. | 1.20 | Nom. |
| Otticica, dms | lb. | .19 | Nom. |
| Oleo, 1, bbls | lb. | .09 | - — |
| 2, bbls | lb. | .08½ | - — |
| Olibanum, bots | lb. | 5.00 | - 5.25 |
| Olive, denat., bbls | gal. | 1.20 | Nom. |
| edible, bbls | gal. | 2.00 | Nom. |
| foots, dms | lb. | .08½ | Nom. |
| sulphonated, 50% (43% fat), dms., c.l. | lb. | .11½ | — |
| l.c.l. | lb. | .12½ | — |
| 75% (63% fat), dms., c.l. | lb. | .13½ | — |
| l.c.l. | lb. | .14½ | — |
| 80% (68% fat), dms., c.l. | lb. | .14½ | — |
| l.c.l. | lb. | .15½ | — |
| Orange, sweet, dist., cs | lb. | .50 | - — |
| Expressed, African, cns., dms. | lb. | .85 | Nom. |
| Calif., cns | lb. | 1.25 | - — |
| Messina, USP, coppers | lb. | 2.50 | Nom. |
| West Indies, cns | lb. | 1.70 | Nom. |
| terpeneless | lb. | 68.00 | -69.00 |
| Origanum, cns | lb. | .90 | - 1.25 |
| Orris, Florentine, concrete, extra strong bots. | oz. | 4.75 | - 5.50 |
| Palm, Niger, csks | lb. | No prices | |
| shipment | lb. | No prices | |
| softs, 12½%, bulk, shipt | lb. | No prices | |
| 20%, bulk, shipt | lb. | No prices | |
| Sumatra, shipt., bulk | lb. | No prices | |
| Palmarosa, cns | lb. | 1.90 | Nom. |
| Palmkernel, bulk, shipt | lb. | No prices | |
| Paraffin, 120° flash, 60-70 vis., tanks, G. S. | gal. | .05¼ | — |
| 350° flash, 70-80 vis., tanks, G. S. | gal. | .05¼ | — |
| 80-85 vis., bbls., extra, Ind. refy. | gal. | .12 | - — |
| 350° flash, 100-105 vis., bbls., extra, Ind. refy. | gal. | .14 | - — |
| 360° flash, 100-110 vis., tanks, G. S. | gal. | .05¾ | — |
| Patchouli bots., cns | lb. | 3.35 | Nom. |
| Peanut, crude, dom., tanks | lb. | .06¾ | Nom. |
| refd., edible, bbls | lb. | .09 | Nom. |
| Pennyroyal, dom., cns | lb. | 2.10 | - 2.15 |
| import, cns. | lb. | 2.05 | Nom. |
| Peppermint, natural, cns., dms. | lb. | 2.10 | - 2.35 |
| redist., USP, cns., dms | lb. | 2.25 | - 2.50 |
| Perilla, dms | lb. | .15 | Nom. |
| tanks | lb. | .14 | Nom. |
| Petitgrain, Paraguay, cns | lb. | .80 | Nom. |
| Pimento berry, cns | lb. | 3.35 | Nom. |
| leaf, cns | lb. | 2.25 | Nom. |
| Pine, dest.-dist., straw-color, dms., divd., E. ports | gal. | .52 | - .55 |
| steam-dist., dms | gal. | .59 | - — |
| tanks | gal. | .54 | - — |
| Pineneedle, Siberian, cns | lb. | 1.15 | Nom. |
| Putty, bbls., E. Segunco, Richmond, Cal. | gal. | .22½ | — |
| contracts | gal. | .19½ | — |
| Whiting, Ind. | gal. | .28 | - — |
| dms., c.l., Bost., Provid. | gal. | .25 | - — |
| l.c.l., same basis | gal. | .27 | - — |
| tanks, same basis | gal. | .18 | - — |
| Martines, Cal. | gal. | .28 | - — |
| Rapeseed, blown, bbls | lb. | .14 | - .14½ |
| denat,, bbls | gal. | .85 | Nom. |
| Red, dist. or saponif, dms., divd. | lb. | .08½ | - .09½ |
| tanks, divd | lb. | .09 | - — |
| Rose, artif., bots | oz. | 2.00 | - 3.00 |
| natural, coppers | oz. | 5.25 | -22.50 |
| Rosemary, Spanish, cns | lb. | .56 | Nom. |
| dms | lb. | .51 | Nom. |
| Rosin, 1st rectfd., dms | gal. | .45 | - — |
| 2d rectfd., dms | gal. | .47 | - — |
| 3d rectfd., dms | gal. | .51 | - — |
| Rue, bots | lb. | 3.00 | Nom. |
| Sage, cns | lb. | 2.50 | Nom. |
| Sandalwood, E. I., USP, cns. | lb. | 4.50 | Nom. |
| Myrose, cns., case lots | lb. | No prices | |
| Sardine, crude, tanks, Pac. Cst. | gal. | .27½ | Nom. |
| refd., alkali, dms | lb. | .0750 | Nom. |
| tanks | lb. | .0690 | Nom. |
| kettle bodied, dms | lb. | .0870 | Nom. |
| light pressed, dms | lb. | .0690 | Nom. |
| tanks | lb. | .0630 | Nom. |
| Sassafras, artif., cns | lb. | .41 | Nom. |
| dms | lb. | .39 | Nom. |
| natural, cns., dms | lb. | .90 | - 1.00 |
| Savin, cns | lb. | 1.75 | Nom. |
| Savory, cns | lb. | 2.00 | Nom. |
| Sesame, refd., import, dms | lb. | .10½ | Nom. |
| Shingle stain, bbls., c.l., wks., | gal. | .19 | - — |
| l.c.l., works | gal. | .21 | - — |
| tanks, works | gal. | .14 | - — |
| Snakeroot, Canada, cns | lb. | 9.50 | -10.00 |
| Soybean, dom., crude, dms | lb. | .07½ | Nom. |
| tanks | lb. | .06½ | Nom. |
| refd., dms | lb. | .08¾ | Nom. |
| tanks | lb. | .07¾ | Nom. |
| Spearmint, USP, cns | lb. | 1.70 | - 1.75 |
| Sperm, bleach, 38°, dms | lb. | .0980 | Nom. |
| 45°, dms | lb. | .0910 | Nom. |
| natural, dms | lb. | .0860 | Nom. |
| Spruce, cns., dms | lb. | .70 | - .90 |
| Sweet, birch, North, cns | lb. | 2.25 | - 2.65 |
| South, cns | lb. | 1.45 | - 1.50 |
| Tall, crude, dms., c.l., works, | ton. | 35.00 | - — |
| l.c.l., works | ton. | 40.00 | -55.00 |
| tanks, works | ton. | 25.00 | - — |
| refined, dms., c.l., works | lb. | .04 | - — |
| l.c.l., works | lb. | .04½ | - — |
| tanks, works | lb. | .03½ | - — |
| Tallow, acidless, bbls | lb. | .08 | - — |
| tanks | lb. | .07½ | - — |
| Tansy, cns | lb. | 7.00 | Nom. |
| Tar, pine, cm'l, dms., c.l., divd., E. cities | gal. | .26 | - — |
| E. ports | gal. | .25 | - — |
| l.c.l. | gal. | .26 | - — |
| tanks, divd. E. cities | gal. | .20 | - — |
| Tar, pine, rectfd., USP, bbls., divd., E. ports | gal. | .55 | - — |
| Tar acid (see T). | | | |
| Teaseed, crude, dms | lb. | .11¼ | Nom. |
| refined, dms. | lb. | .12¼ | Nom. |
| Tea Tree (see Oil, Ti tree). | | | |
| Thyme, NF, red, dms | lb. | 1.10 | Nom. |
| white, dms. | lb. | 1.15 | Nom. |
| Tung (see Oil, chinawood). | | | |
| Ti tree, cns | lb. | 2.40 | Nom. |
| Turkey red (see Oil, castor, sulphonated) | | | |
| Turpentine (see T). | | | |
| Valerian, bots | lb. | 8.00 | Nom. |
| Vetiver, bots | lb. | 3.50 | -15.00 |
| Walnut, crude, dms | lb. | .14 | Nom. |
| refd., dms. | lb. | .15 | Nom. |
| Whale, refd., natural, dms | lb. | .0190 | Nom. |
| winter, bleach, dms | lb. | .0950 | Nom. |
| Wheat germ, phar., cns., dms. | gal. | 22.50 | -30.00 |
| feedstuff, cns., dms | gal. | 17.50 | -25.00 |
| White, mineral, dms., tech., 60-60 vis., dms | gal. | .40 | - — |
| 65-75 vis., dms | gal. | .42 | - — |
| 80-90 vis., dms | gal. | .43 | - — |
| USP, 80-90 vis., dms | gal. | .46 | - — |
| 95-105 vis., dms | gal. | .53 | - — |
| 125-135 vis., dms | gal. | .60½ | - — |
| 140-150 vis., dms | gal. | .64 | - — |
| 175-185 vis., dms | gal. | .68½ | - — |
| 200-210 vis., dms | gal. | .70½ | - — |
| 320-330 vis., dms | gal. | .76 | - — |
| 335-345 vis., dms | gal. | .77 | - — |
| Russian, 80-90 vis., dms | gal. | .46 | - — |
| 145-155 vis., dms | gal. | .64½ | - — |
| 175-185 vis., dms | gal. | .68½ | - — |
| 335-345 vis., dms | gal. | .77 | - — |
| Oil, Wintergreen, natural, North, cns. | lb. | 4.00 | - 8.00 |
| South, cns | lb. | 3.05 | - 3.75 |
| synth (see Methyl salicylate). | | | |
| Wood (see Oil, chinawood). | | | |
| Wormseed, cns | lb. | 2.30 | - 2.40 |
| Wormwood, cns | lb. | 4.35 | - 4.40 |
| Ylang-ylang, Bourb., bots., cns. | lb. | 2.50 | - 3.00 |
| Manila, bots | lb. | 18.00 | -24.00 |
| Olivine, aggregate, c.l., mines. | ton. | 5.00 | - 6.00 |
| Lumps, same basis | ton. | 7.00 | - — |
| Spalls, same basis | ton. | 5.00 | - — |
| ground, 200 mesh, c.l., mines, | ton. | 15.00 | - — |
| 20 mesh to dust | ton. | 10.00 | - — |
| Opium, USP, cns | lb. | 11.50 | -12.50 |
| gran., cns. | lb. | 12.50 | -13.50 |
| powd., cns | lb. | 12.50 | -13.50 |
| Orange, Lake, Persian, bbls. | lb. | .30 | - .45 |
| Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. | lb. | .11 | - — |
| Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. | lb. | .11½ | - — |
| Colo., Mont., N.M., Wyo. | lb. | .11¾ | - — |
| Other points | lb. | .10¾ | - — |
| smaller lots, divd., Ala., etc. | lb. | .11½ | - — |
| Ariz., etc. | lb. | .12 | - — |
| Colo., Mont., N. M., Wyo. | lb. | .11¾ | - — |
| Other points | lb. | .11¼ | - — |
| Orange, Mineral, French, Tours, casks, ex dock | lb. | .13½ | - — |
| kgs., ex dock | lb. | .14½ | - — |
| Molybdate, bbls | lb. | .81 | - — |
| Toner, bbls | lb. | .80 | - - |
| Orangeflower petals, cs | lb. | .40 | - .45 |
| Orange peel, bitter, bls | lb. | .10 | - .24 |
| sweet, bls. | lb. | .17 | - .27 |
| Orris root, Florentine, bgs | lb. | .14 | - .18 |
| fingers, cs. | lb. | 1.25 | - 1.30 |
| powd., bbls., bxs | lb. | .16 | - .20 |
| Verona, bls. | lb. | .14 | - .17 |
| powd., bxs., cs | lb. | .16 | - .20 |
| Orthoanisidin, bbls. | lb. | .40 | - — |
| Orthochloroanilin, dms | lb. | .60 | - .75 |
| Orthochlorophenol, dms. | lb. | .82 | - — |
| Orthocresol, dms., c.l., works | lb. | .16½ | - — |
| l.c.l., same basis | lb. | .17½ | - — |
| Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies | lb. | .06 | - — |
| l.c.l., same basis | lb. | .07 | - — |
| 100-lb. tins, same basis | lb. | .08 | - — |
| 50-lb. tins, same basis | lb. | .09 | - — |
| tanks, same basis | lb. | .06½ | - — |
| Orthodichlorobenzene prices west of Rockies 1c. per lb. higher. | | | |
| Orthonitroanilin, dms. | lb. | .55 | - — |
| Orthonitrochlorobenzene, dms. | lb. | .15 | - .18 |
| Orthonitroparachlorophenol, cns. | lb. | .75 | - — |
| Orthonitrotoluene, dms | lb. | .09 | - — |
| Orthotoluidin, dms | lb. | .19 | - — |
| Osage orange extract, cryst., bbls., | lb. | .19 | - — |
| liquid, 42°, bbls | lb. | .08 | - — |
| 51°, bbls. | lb. | .09 | - — |
| Oxyquinolin sulphate, cns., 100-lbs., works | lb. | 3.50 | - — |
| bots., cns., 1-50 lbs | lb. | 3.65 | - 4.00 |
| Orthotoluene hydrochloride, dms. | lb. | .22 | - — |
| Sulphonate, kgs. | lb. | 2.00 | - 2.05 |

# P

| | | | |
|---|---|---|---|
| Papain, powd., cs | lb. | 1.20 | - 1.30 |
| Paprika, Hungarian, extra fancy, bgs. | lb. | .35 | - .37 |
| medium, bgs. | lb. | .34 | - .35 |
| Portuguese, extra fancy, bgs. | lb. | .31 | - .32 |
| fancy, bgs. | lb. | .30 | - .32 |
| Spanish, extra fancy, cs | lb. | .39 | Nom. |
| Parachlorophenol, dms | lb. | .45 | - |
| Paracymene, refd., dms | gal. | .75 | - 1.25 |
| Paradichlorobenzene, dms., c.l. | lb. | .11 | - .12 |
| l.c.l. | lb. | .12½ | - .15¼ |
| Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy. | lb. | .0280- | .0295 |
| bbls., c.l., N. Y. | lb. | .0325- | — |
| 124-126 A.m.p., bgs., c.l., Okla., refy. | lb. | .0285- | .03 |
| bbls. c.l., N. Y. | lb. | .0325- | .0330 |
| yellow, 124-126 A.m.p., bbls., c.l., N. Y. | lb. | .0325- | — |
| fully refd., slabs, 125-125 A.m.p., bgs., c.l. | lb. | .03¾ | — |
| loose, c.l. | lb. | .0355- | — |
| 125-127 A.m.p., bgs., c.l. | lb. | .0390- | — |
| loose, c.l. | lb. | .0370- | — |
| 128-130 A.m.p., bgs., or loose, c.l. | lb. | .0400- | — |
| 131-133 A.m.p., bgs., or loose, c.l. | lb. | .0435- | — |
| 133-135 A.m.p., bgs., or loose, c.l. | lb. | .0465- | — |
| 135-137 A.m.p., bgs., or loose, c.l. | lb. | .0490- | — |
| 138-140 A.m.p., bgs., or loose, c.l. | lb. | .0565- | — |
| 143-145 A.m.p., bgs., or loose, c.l. | lb. | .0650- | — |
| 151-153 A.m.p., bgs., or loose, c.l. | lb. | .0850- | — |
| Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is .05c. lower. | | | |
| match, A.m.p. up to and incl. 110-112 bbls., c.l. | lb. | .02¼ | - .02⅝ |
| semirfd., solid., 122-124 A.m.p., bgs. | lb. | .02¼ | Nom. |
| Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C. | lb. | .34 | - — |
| 100 to 900 lbs. shipments, same basis | lb. | .35 | - — |
| Paraldehyde, tech., 99%, 55 and 100 gal. dms., c.l., works | lb. | .1C | - — |
| l.c.l., works | lb. | .11¼ | - — |
| 5 and 10 gal, dms., works | lb. | .15 | - — |
| USP, cs., obys | lb. | .37 | - .45 |
| Paranitroanilin, kgs., works | lb. | .47 | - — |
| Paranitrochlorobenzene, kgs | lb. | .15 | - — |
| Paranitrophenol, kgs | lb. | .35 | - — |
| Paranitrotoluene, kgs. | lb. | .30 | - — |
| Paraphenylenediamine, bbls | lb. | 1.25 | - 1.30 |
| Paratoluenesulphonamide, bbls. | lb. | .70 | - — |
| Paratoluidin, bbls. | lb. | .48 | - — |
| Pareira brava root, bls | lb. | .20 | - .21 |
| Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. alld., | lb. | .23 | - .25 |
| less car lot, same basis | lb. | .24 | - .26 |
| Passion flower, herb, bls | lb. | .06½ | - .07 |
| Patchouli leaves, bls | lb. | .20 | - .29 |
| Pellitory root, bls | lb. | .20 | - .30 |
| Pennyroyal leaves, bls | lb. | .15 | - .16 |
| Pentanes norm., 28-38°, dms., c.l., G.3. | gal. | .11¼ | — |
| l.c.l., G.3 | gal. | .16 | - — |
| tanks, G.3 | gal. | .08½ | - — |
| laboratory grade, dms., c.l., G.3. | gal. | .14 | - — |
| l.c.l., G.3 | gal. | .25 | - — |
| Pepper, black, Alleppey, bgs. | lb. | .08½ | - .09 |
| Lampong, bgs | lb. | .04¼ | - .04½ |
| Tellicherry, bgs | lb. | .08½ | - .09 |
| Pepper, Red, chillies, Japan, Hontaka. | lb. | .22 | - .23 |
| Mombassa, bgs | lb. | .25 | - .26 |
| White, Java, Muntok, bgs | lb. | .08½ | - .09 |
| Saigon, bgs | lb. | .08 | - .08½ |
| Peppermint leaves, dom., bls. | lb. | .32 | - .35 |
| import, bls | lb. | .90 | - .95 |
| Perchlorethylene, dms., c.l., works, frt. alld., zone 1. | lb. | .06 | - — |
| l.c.l., same basis | lb. | .08½ | - — |
| Zone 2, dms., c.l., works, frt. alld. | lb. | .08½ | - — |
| l.c.l., same basis | lb. | .09 | - — |
| Zone 3, dms., c.l., works, frt. alld. | lb. | .09 | - — |
| l.c.l., same basis | lb. | .09½ | - — |
| Zone 4, dms., c.l., f.ob., stock points. | lb. | .09 | - — |
| l.c.l., same basis | lb. | .09½ | - — |

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

| | | | |
|---|---|---|---|
| Peru, balsam, dms | lb. | .80 | - .85 |
| Petrolatum, amber, dms., c.l. | lb. | .02¾ | - |
| l.c.l. | lb. | .03¾ | - |
| amber, extra, dms | lb. | .02¾ | - |
| l.c.l. | lb. | .04 | - |
| veterinary, dms., c.l. | lb. | .02¼ | - |
| white, cream, dms., c.l. | lb. | .04¼ | - |
| l.c.l. | lb. | .05¾ | - |
| lily, dms., c.l. | lb. | .05¼ | - |
| l.c.l. | lb. | .06¾ | - |
| snow, dms., c.l. | lb. | .04¼ | - |
| l.c.l. | lb. | .07¾ | - |

**Petroleum, crude, bulk, at wells:—**

| | | | |
|---|---|---|---|
| **California:—** | | | |
| Alamitos Heights | bbl. | .74 | - .98 |
| Athens | bbl. | .84 | - 1.08 |
| Belridge | bbl. | .70 | - 1.23 |
| Buena Vista Hills | bbl. | .70 | - 1.18 |
| Canal-Greely | bbl. | .91 | - 1.08 |
| Coalinga | bbl. | .70 | - .90 |
| Coyote Hills (West) | bbl. | .78 | - 1.23 |
| Domingues | bbl. | .79 | - 1.00 |
| East Coyote | bbl. | .76 | - .90 |
| Elk Hills | bbl. | .70 | - 1.23 |
| Elwood Terrace, f.o.b. ship., | bbl. | 1.28 | - 1.43 |
| El Segundo | bbl. | .80 | - 1.21 |
| Huntington Beach | bbl. | .78 | - 1.23 |
| Inglewood | bbl. | .79 | - 1.27 |
| Kern Front | bbl. | .70 | - — |
| Kern River | bbl. | .70 | - — |
| Kettleman Hills | bbl. | 1.19 | - 1.43 |
| La Habra | bbl. | .76 | - .96 |
| Lakeview | bbl. | .70 | - 1.23 |
| Lost Hills | bbl. | .70 | - 1.18 |
| McKittrick | bbl. | .70 | - — |
| Midway-Sunset (except Lakeview) | bbl. | .70 | - 1.23 |
| Montebello | bbl. | .77 | - 1.78 |
| Mt. Poso | bbl. | .70 | - — |
| Mountain View | bbl. | .70 | - 1.20 |
| Newhall | bbl. | .70 | - — |
| Orcutt | bbl. | .70 | - .98 |
| Olinda Brea | bbl. | .76 | - 1.27 |
| Playa del Rey, f.o.b. pipeline | bbl. | .80 | - 1.16 |
| Richfield | bbl. | .76 | - 1.09 |
| Rosecrans | bbl. | .84 | - 1.08 |
| Round Mt. | bbl. | .70 | - — |
| Santa Fe Springs | bbl. | .78 | - 1.43 |
| Santa Maria | bbl. | .63 | - .70 |
| Santa Paula | bbl. | .70 | - 1.01 |
| Seal Beach | bbl. | .79 | - 1.19 |
| Signal Hill | bbl. | .80 | - 1.21 |
| Torrence | bbl. | .80 | - 1.06 |
| Wheeler Ridge | bbl. | .70 | - .82 |
| Whittier | bbl. | .76 | - .96 |
| Wilmington | bbl. | .76 | - 1.21 |
| **Canada:—** | | | |
| Oil Springs | bbl. | 1.97 | - — |
| Petrolia | bbl. | 1.90 | - — |
| **Central West:—** | | | |
| Illinois | bbl. | .53 | - 1.05 |
| Lima | bbl. | .90 | - — |
| Western Michigan | bbl. | .88 | - — |
| Princeton | bbl. | 1.05 | - — |
| East Texas | bbl. | 1.10 | - — |
| **Gulf Coast:—** | | | |
| Barber's Hill | bbl. | .79 | - 1.16 |
| Batson | bbl. | .74 | - 1.04 |
| Dayton | bbl. | .95 | - 1.41 |
| Esperson | bbl. | .79 | - 1.16 |
| Goose Creek | bbl. | .79 | - 1.28 |
| Hull | bbl. | .74 | - 1.03 |
| Humble | bbl. | .74 | - 1.04 |
| Liberty | bbl. | .79 | - 1.16 |
| Markham | bbl. | .90 | - 1.29 |
| Orange | bbl. | .79 | - 1.16 |
| Pettus | bbl. | 1.29 | - — |
| Pierce Junction | bbl. | .95 | - 1.41 |
| Refugio (incl. Greta, Taft, Saxet) | bbl. | .79 | - 1.33 |
| Saratoga | bbl. | .74 | - 1.04 |
| Sour Lake | bbl. | .74 | - 1.04 |
| Spindle Top | bbl. | .74 | - 1.04 |
| Sugarland | bbl. | .79 | - 1.28 |
| West Columbia | bbl. | .79 | - 1.28 |
| **Kentucky, Tennessee:—** | | | |
| Big Sandy river | bbl. | 1.02 | - 1.12 |
| Kentucky river | bbl. | 1.10 | - 1.20 |
| Western Kentucky (Owensboro) | bbl. | 1.18 | - — |
| **Louisiana, Arkansas:—** | | | |
| Bull Bayou | bbl. | .78 | - 1.09 |
| Caddo | bbl. | .98 | - 1.00 |
| Cameron Meadows | bbl. | .74 | - 1.19 |
| Choctaw | bbl. | .74 | - 1.20 |
| Cotton Valley | bbl. | .73 | - 1.05 |
| Darrow | bbl. | .74 | - 1.20 |
| De Sota | bbl. | .73 | - 1.05 |
| Haynesville | bbl. | .73 | - 1.06 |
| Homer | bbl. | .73 | - 1.05 |
| Iowa | bbl. | .74 | - 1.18 |
| Lockport | bbl. | .74 | - 1.18 |
| Magnolia | bbl. | .73 | - 1.05 |
| Miller County | bbl. | .73 | - 1.05 |
| Pine Island | bbl. | .73 | - 1.06 |
| Rainbow | bbl. | .73 | - 1.06 |
| Rodessa | bbl. | .73 | - 1.05 |
| Smackover | bbl. | .73 | - — |
| Tepetate | bbl. | 1.08 | - — |
| Urania | bbl | .89 | - — |
| Mexico, f.o.b. terminals | | | |
| Mexican port — based on contract:— | | | |
| Panuco | bbl. | No prices | |
| Tuxpan | bbl. | No prices | |
| **Midcontinent:—** | | | |
| North Texas | bbl. | .51 | - 1.10 |
| Oklahoma-Kansas | bbl. | .58 | - 1.10 |
| **Pennsylvania, Ohio, West Virginia:—** | | | |
| Bradford-Allegany | bbl. | 2.00 | - — |
| Corning | bbl. | 1.02 | - — |
| Pennsylvania grade, in Buckeye lines. | bbl. | 1.55 | - — |
| Eureka lines | bbl. | 1.59 | - — |
| N. Y. Transit lines. | bbls. | 2.00 | - — |
| S. W. Penn. lines. | bbl. | 1.65 | - — |
| lower district in National Transit lines. | bbl. | 1.88 | - 1.98 |
| **Rocky Mountain:—** | | | |
| Big Muddy | bbl. | .98 | - — |
| Canon City-Florence | bbl. | .90 | - — |
| Cat Creek | bbl. | 1.10 | - — |

**Petroleum, crude, bulk, at well, Rocky Mountain:—**

| | | | |
|---|---|---|---|
| Dutton Creek | bbl. | .86 | - 1.10 |
| Elk Basin | bbl. | .90 | - — |
| Fort Collins-Wellington, | bbl. | .81 | - 1.06 |
| Frannie, light | bbl. | .45 | - .81 |
| Grass Creek, light | bbl. | .90 | - — |
| Iles | bbl. | .93 | - .96 |
| Lance Creek | bbl. | .77 | - — |
| Lander | bbl. | .81¼ | - — |
| Midway | bbl. | .96 | - 1.10 |
| Rock Creek | bbl. | 1.00 | - — |
| Salt Creek | bbl. | .86 | - 1.10 |
| Sunburst | bbl. | 1.30 | - — |
| Torchlight | bbl. | 1.30 | - — |
| South Central and Southwestern Texas:— | | | |
| Cass County | bbl. | .73 | - 1.00 |
| Cleveland-Liberty | bbl. | 1.14 | - — |
| Conroe | bbl. | 1.27 | - — |
| Darst Creek | bbl. | .96 | - — |
| Hardin-Liberty | bbl. | 1.00 | - 1.03 |
| Luling | bbl. | .87 | - — |
| Lytton Springs | bbl. | .90 | - — |
| Mirando, (incl. Duval) | bbl. | .74 | - 1.33 |
| Panola County | bbl. | .73 | - 1.03 |
| Salt Flat | bbl. | .96 | - — |
| Tomball | bbl. | .95 | - 1.41 |
| Van | bbl. | .93 | - — |
| West Beaumont | bbl. | .70 | - 1.28 |
| **Texas Panhandle:—** | | | |
| Carson-Hutchinson counties, | bbl. | .67 | - 1.01 |
| Gray County | bbl. | .72 | - 1.06 |
| **West Texas:—** | | | |
| Artesia, N. M. | bbl. | .81 | - .88 |
| Crane | bbl. | .53 | - .95 |
| Crockett | bbl. | .53 | - .95 |
| Ector | bbl. | .53 | - .95 |
| Eddy (N. M.) | bbl | .77 | - — |
| Howard | bbl. | .53 | - .95 |
| West Texas, Jackson, N.M. | bbl. | .61 | - .85 |
| Jackson, N. M. | bbl. | .61 | - .85 |
| Lea, N. M. | bbl. | .53 | - .95 |
| Maljamar, N. M. | bbl. | .61 | - .88 |
| Mitchell | bbl. | .63 | - .96 |
| Pecos | bbl. | .65 | - .87 |
| Upton | bbl. | .53 | - .95 |
| Winkler | bbl. | .53 | - .95 |
| Ether, 30-60° dms., c.l., G.3, | gal. | .14 | - — |
| l.c.l., G.3 | gal. | .25 | - — |
| tanks, G.3 | gal. | .13 | - — |
| 30-60°, dms., l.c.l., G.3 | gal. | .30 | - — |
| 60-75°, dms., c.l., G.3 | gal. | .14 | - — |
| l.c.l., G.3 | gal. | .25 | - — |
| tanks, G.3 | gal. | .13 | - — |
| laboratory grade, dms., c.l., G.3. | gal. | .14 | - — |
| c.l., G.3 | gal. | .25 | - — |
| 10-gal. lots, G.3 | gal. | .50 | - — |
| Lacquer, diluent, at refinery:— | | | |
| California, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles | gal. | .11 | - — |
| San Francisco | gal. | .11½ | - — |
| f.o.b. Richmond | gal. | .11 | - — |
| Willbridge, Ore., Pt. Wells, Wash. | gal. | .12 | - — |
| East Coast, tanks | gal. | .09 | - — |
| Group 3, tanks | gal. | .07¾ | - .07½ |
| Naphtha, cleaners', at refinery:— | | | |
| East Coast, tanks | gal. | .10 | - — |
| Group 3, tanks | gal. | .06¾ | - .06½ |
| tankwagon, Boston, ex tax. | gal. | .13 | - — |
| Bridgeport | gal. | .13½ | - — |
| Chicago, inc. 4c. tax. | gal. | .17½ | - — |
| Decatur, inc. 4c. tax. | gal. | .186 | - — |
| Des Moines, inc. 4c. tax. | gal. | .184 | - — |
| Evansville, inc. ex tax. | gal. | .14½ | - .15¼ |
| Milwaukee, inc. 5c. tax, | gal. | .198 | - — |
| Minneapolis-St. Paul, inc. 5c. tax. | gal. | .20 | - — |
| Newark, ex tax | gal. | .10 | - — |
| New York, ex tax | gal. | .10 | - — |
| Omaha, ex tax | gal. | .144 | - .154 |
| Oklahoma City, ex tax. | gal. | .16 | - — |
| Philadelphia, ex tax. | gal. | .11¼ | - — |
| St. Louis, inc. 1c. tax. | gal. | .15 | - — |
| Syracuse, 160 gals. | gal. | .14 | - — |
| smaller lots, galv. drums, | gal. | .10 | - — |
| milk cans. | gal. | .21 | - — |
| high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway | gal. | .15 | - — |
| 2, over 90% arom., same basis. | gal. | .16 | - — |
| 8, tanks, f.o.b. Paulsboro, N.J. | gal. | .13 | - — |
| 30, same basis | gal. | .14½ | - — |
| 40, same basis | gal. | .14½ | - — |
| v.m.&p., at refinery:— | | | |
| California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo | gal. | .11 | - — |
| Richmond | gal. | .11¼ | - — |
| Willbridge, Ore., Pt. Wells, Wash. | gal. | .12 | - — |
| 54-57, 190 i.b.p., 310 e.p., tanks, divd., Los Angeles | gal. | .10 | - — |
| 54-57 i.b.p., 310 e.p., tanks, divd., San Francisco | gal. | .10½ | - — |
| Portland, Seattle | gal. | .11 | - — |
| East Coast, tanks | gal. | .09 | - — |
| Group 3, tanks | gal. | .06¾ | - .06½ |
| tankwagon, Boston, ex tax. | gal. | .13 | - .14 |
| Chicago, inc. 4c. tax. | gal. | .16½ | - — |
| Des Moines, inc. 4c. tax. | gal. | .184 | - — |
| Decatur, inc. 4c. tax. | gal. | .186 | - — |
| Evansville, Ind., ex tax. | gal. | .147 | - .157 |
| Milwaukee, inc. 5c. tax. | gal. | .198 | - — |
| Minneapolis-St. Paul, inc. 5c. tax. | gal. | .20 | - — |
| Newark, ex tax | gal. | .11 | - — |
| New York, ex tax | gal. | .10 | - — |
| Omaha, ex tax | gal. | .144 | - .154 |
| Philadelphia, ex tax. | gal. | .12½ | - — |
| St. Louis, inc. 1c. tax. | gal. | .15.2 | - — |
| solvent, rubber, at refinery, East Coast, tanks. | gal. | .09 | - — |
| Group 3 light, 120 i.b.p., 250 e.p., tanks. | gal. | .06¾ | - .06½ |
| standard, 180 i.b.p., 386 e.p., tanks. | gal. | .06¾ | - .06½ |
| **Stoddard (CS 3-35), at refinery:—** | | | |
| East Coast, tanks | gal. | .08½ | - — |
| Group 3, tanks | gal. | .06¾ | - .06 |
| tankwagon, Boston, ex tax. | gal. | .12½ | - .13¾ |
| Chicago, inc. 4c. tax. | gal. | .159 | - — |
| Stoddard, Decatur, inc. 4c. tax. | gal. | .181 | - — |
| Des Moines, inc. 4c. tax. | gal. | .179 | - — |
| Evansville, Ind., ex tax. | gal. | .135 | - .145 |
| Milwaukee, inc. 5c. tax. | gal. | .198 | - — |
| Minneapolis-St. Paul, inc. 5c. tax. | gal. | .177 | - — |
| Newark, ex tax | gal. | .09 | - — |
| New Orleans, ex tax. | gal. | .11 | - — |
| New York, ex tax | gal. | .09 | - — |
| Omaha | gal. | .131 | - .14 |
| Philadelphia, ex tax. | gal. | .10¼ | - .12½ |
| St. Louis, inc. 1c. tax. | gal. | .129 | - — |
| Tulsa, ex tax | gal. | .10 | - .11 |
| thinners, at refinery:— | | | |
| California, 34, 325 i.b.p., 390 e.p., low aniline, 6,000 gal. tanks or transport trucks, f.o.b. Los Angeles | gal. | .15 | - — |
| Portland, Ore | gal. | .16 | - — |
| Richmond | gal. | .14½ | - — |
| Seattle, Wash | gal. | .16½ | - — |

| | | |
|---|---|---|
| Petroleum, thinners, 44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. | gal. | .10½ - — |
| Richmond | gal. | .10 - — |
| Southern Calif. | gal. | .09½ - — |
| 56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo, | gal. | .11 - — |
| Portland, Ore. | gal. | .13 - — |
| Richmond | gal. | .11½ - — |
| Seattle, Wash. | gal. | .12 - — |
| East Coast, 43-47, tanks. | gal. | .06½ - — |
| 47-49, tanks | gal. | .09½ - .10 |
| New Jersey, tanks. | gal. | .02½ - — |
| Group 3, tanks. | gal. | .05½ - .05½ |
| tankwagon, tax included:— | | |
| Albany | gal. | .13 - — |
| Baltimore (100 gals.) | gal. | .12½ - .13½ |
| 25-99 gals. | gal. | .13½ - .15½ |
| Boston | gal. | .13 - — |
| Bound Brook, North Amboy, N. J. | gal. | .11½ - .13½ |
| Bridgeport, Conn. | gal. | .11 - — |
| Buffalo | gal. | .15 - — |
| Camden, N. J. | gal. | .10 - .12 |
| Chicago | gal. | .162 - — |
| Decatur, Ill. | gal. | .176 - — |
| Des Moines. | gal. | .174 - — |
| Evansville, Ind. | gal. | .137 - .147 |
| Milwaukee | gal. | .188 - — |
| Minneapolis-St. Paul | gal. | .19 - — |
| Newark | gal. | .09 - — |
| New York (200 gals.) | gal. | .09 - — |
| Omaha | gal. | .131 - .141 |
| Philadelphia | gal. | .10 - .12 |
| Pittsburgh | gal. | .11½ - .13½ |
| Providence | gal. | .11½ - — |
| Rochester | gal. | .12 - — |
| St. Louis | gal. | .142 - — |
| Syracuse | gal. | .12½ - — |
| Trenton | gal. | .10 - — |
| Wilmington, Del. | gal. | .10 - .12 |
| Phenobarbital, 5-lb. bots. | lb. | 3.95 - — |
| bots. or cns., 100 lbs., spot or contract. | lb. | 3.60 - — |
| 25-lb. cns. | lb. | 3.85 - — |
| Phenol, USP, dms., c.l., works, frt. equald. | lb. | .13 - — |
| l.c.l., same basis | lb. | .13¾ - — |
| under 1,000 lbs. | lb. | .14¾ - — |
| tanks, works. | lb. | .12 - — |
| Phenolphthalein, USP, bbls., dms., 2,000-lb. lots. | lb. | .85 - — |
| bbls., dms., kegs, 100-250 lbs., | lb. | .87 - .92 |
| yellow, fib., dms., 2,000-lb. lots. | lb. | .80 - — |
| 100-lb. fib., dms. | lb. | .82 - — |
| 25-lb. dms. | lb. | .87 - — |
| 50-lb. kgs. | lb. | .84 - — |
| Phenyl chloride, dms. | lb. | .17 - — |
| Phenylacetaldehyde, bots. | lb. | 2.10 - 2.50 |
| Dimethylacetate, cns. | lb. | 14.50 -16.00 |
| Phenyl ethyl acetate, cns. | lb. | 2.45 - 2.50 |
| Phenylethylphenyl acetate, bots., | lb. | 7.90 -15.50 |
| Phenylhydrazine, base, CP, bots., | lb. | 4.00 - — |
| Hydrochloride, CP, bots., works. | lb. | 4.00 - — |
| commercial, kgs., works. | lb. | 1.50 - — |
| pure, bbls., works. | lb. | 2.25 - — |
| Phloroglucinol, CP, tins, works. | lb. | 20.00 -22.00 |
| tech., tins, works. | lb. | 15.00 -16.50 |
| Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines. | long ton. | 4.35 - — |
| land pebble, 68% min., bulk, mines. | long ton. | 1.90 - — |
| land pebble, 70% min., bulk, mines. | long ton. | 2.15 - — |
| 72% min., bulk, mines. | long ton. | 2.40 - — |
| 75% basis, 74% min., bulk mines. | long ton. | 2.90 - — |
| Tenn., 72% bulk, mines, | long ton. | 4.50 - — |
| 75% bulk, mines. | long ton. | 5.50 - — |
| Phosphorus, red, cs. | lb. | .40 - .44 |
| yellow, dms. | lb. | .18 - .20 |
| sases | lb. | .23 - .25 |
| Oxychloride, cyls. | lb. | .15 - .18 |
| Pentoxide, dms., c.l., works, | lb. | .11 - .13 |
| l.c.l., dms., wks. | lb. | .13 - .14 |
| Sesquisulphide, cs. | lb. | .38 - .42 |
| Trichloride, cyls. | lb. | .15 - .16 |
| Phthalamide, bbls., works, tons. | lb. | .35 - — |
| single bbls., works. | lb. | .40 - — |
| kgs., works. | lb. | .45 - .50 |
| Phthalic anhydride, bbls., works, frt. alld. E. of Miss. R. | lb. | .14½ - — |
| l.c.l., same basis | lb. | .15½ - — |
| Pichi leaves, bgs. | lb. | .20 - .28 |
| Pilocarpine hydrochloride, bots., vls. | oz. | 2.25 - 2.35 |
| Nitrate, bots., vls. | oz. | 1.75 - 2.00 |
| Pimento, bgs. | lb. | .14 - .15 |
| Pinkroot, bls. | lb. | .36 - .37 |
| Pitch, Burgundy (see B). | | |
| Coaltar, 160° m.p., bbls., c.l., works. | ton. | 19.00 - — |
| l.c.l. | ton. | 22.00 - — |
| hardwood, 1-time, dms., c.l., divd. Akron. | ton. | 23.75 -24.00 |
| Linseed, dms. | lb. | .05 - .05¼ |
| Petroleum (see Asphaltum, Mexican, Texas). | | |
| Pine, bbls. | bbl. | 6.00 - 6.35 |
| Plaster of paris (see Gypsum). | | |
| Pleurisy root, Southern, bls. | lb. | .12 - .13 |
| Podophyllin, dms., divd., E. of Miss. | lb. | 4.50 - 4.70 |
| Poke root, bls. | lb. | .07 - .07½ |
| Pomegranate bark, bgs. | lb. | .53 - .54 |
| Root bark, bgs. | lb. | .49 - .50 |
| Poppy flowers, red, bls. | lb. | 1.10 - 1.40 |
| Seed, Dutch, bgs. | lb. | .19 - .20 |
| Polish, bgs. | lb. | .18 - .19 |
| Potash abietate | lb. | .08 - — |
| Acetate, tech., bbls., divd. | lb. | .26 - — |
| kgs., divd. | lb. | .28 - — |
| USP, bbls., 250 lbs. | lb. | .28 - — |
| kgs., 100 lbs. | lb. | .30 - — |
| cns., 25 lbs. | lb. | .33 - — |
| Arsenite, USP, solut., cbys., 100 lbs. | lb. | .11 - — |
| demj., 50 lbs. | lb. | .12 - — |
| Bicarbonate, USP, cryst., bbls., 300 lbs. | lb. | .15 - — |
| kgs., 100 lbs. | lb. | .17 - — |
| gran., bbls., 250 lbs. | lb. | .15 - — |
| kgs., 100 lbs. | lb. | .17 - — |
| Bichromate, spot, c.l., works. | lb. | .08⅞ - — |
| 6 casks or 10 bbls., or over, works. | lb. | .09 - — |
| 5 casks or 9 bbls., or less, works. | lb. | .09¼ - — |
| Bromide, USP, gran., bbls., 500 lbs. | lb. | .31 - — |
| fib., dms., 100 lbs. | lb. | .32 - — |
| Carbonate, calc., dms., c.l., works. | lb. | .06½ - — |
| l.c.l., same basis | lb. | .06¾ - — |
| hydrated, 83-85%, bbls., c.l., works. | lb. | .05½ - — |
| l.c.l., same basis | lb. | .05⅝ - — |
| liquid, dms., c.l., divd. | lb. | .03 - — |
| l.c.l., dms. | lb. | .03½ - — |
| tanks, divd. | lb. | .0287¼ - — |
| USP, gran., bbls., 325 lbs. | lb. | .13½ - — |
| powd., bbls., 325 lbs. | lb. | .19 - — |
| kgs., 100 lbs. | lb. | .21 - — |
| Caustic, flake, 88-92%, dom., c.l., works. | lb. | .07 - — |
| l.c.l. | lb. | .07¼ - .07½ |
| import, dms. | lb. | No prices |
| liquid, 45% basis, dms. | lb. | .03½ - .03¾ |
| tanks | lb. | .02⅞ - — |
| Potash, caustic, solid, 88-92%, dom., dms., c.l., works. | lb. | .06¾ - — |
| l.c.l. | lb. | .06½ - .06¾ |
| import, dms. | lb. | No prices |
| Chlorate, cryst., kgs. | lb. | .09½ - .09¾ |
| gran., kgs. | lb. | .12 - .13 |
| powd., kgs. | lb. | .08½ - .09 |
| Chloride, tech., 98%, cryst., bgs., kgs. | lb. | .04 - .06 |
| Chromate, kgs. | lb. | .24 - .27 |
| Citrate, USP, gran., bbls., 250 lbs. | lb. | .33½ - — |
| kgs., 100 lbs. | lb. | .34½ - — |
| cns., 50 lbs. | lb. | .35½ - — |
| cns., 25 lbs. | lb. | .37½ - — |
| Cyanide, cns., dms. | lb. | No prices |
| Cyanide, gold, 41% gold, bots., works. | oz. | 14.20 -15.45 |
| Glycerophosphate, 75% sol., dms., 1,000-lb. lots. | lb. | .90 - — |
| 100-lb. lots. | lb. | 1.00 - — |
| 50-lb. lots, cbys. or cns. | lb. | 1.05 - — |
| 25-lb. lots, cns. | lb. | 1.15 - — |
| Guaiacolsulphonate, fib., dms., 100-lb. lots. | lb. | 1.60 - 1.65 |
| cns., 25 lbs. | lb. | 1.75 - — |
| Hydroxide, USP, sticks, cns., 100 lbs. | lb. | .30½ - .32 |
| Hypophosphite, cns., 100 lbs., | lb. | .72 - — |
| 25 to 50 lbs. | lb. | .75 - — |
| Iodate, bots., 5 lbs. | lb. | 3.31 - 3.35 |
| cns., 25 lbs. | lb. | 3.20 - — |
| Iodide, bbls., 250 lbs. | lb. | 1.13 - — |
| bots. or cns. | lb. | 1.22 - 1.48 |
| dms. | lb. | 1.13 - 1.16 |
| Kainit, 20% $K_2O$, bulk, c.l.f. ports. | ton. | 12.25 - — |
| Manure salt, dom., run of mine, approx. 30%, $K_2O$, bulk, c.l.f. ports. | unit-ton. | .58½ - — |
| import, 30%, $K_2O$, bulk, shipt. | unit-ton. | .58½ - — |
| Potash, metabisulphite, kgs. | lb. | .11 Nom. |
| Muriate, dom., all strengths, min., 50% $K_2O$, bulk, | unit-ton. | .63½ - — |
| Import, all strengths, min. 80% KCl, basis 50% $K_2O$, bulk, c.l.f. ports. | unit-ton. | .63½ - — |
| Potash muriate prices in bags are $2 per ton higher than bulk price. | | |
| Oxalate, pure, cryst., kgs. | lb. | .20 - .21 |
| tech., bbls. | lb. | .25 - .26 |
| Nitrate, crude, bgs., c.l.f. ports, | ton. | 53.00 Nom. |
| Perchlorate, kgs., works. | lb. | .09 - .10⅛ |
| Permanganate, tech., dms. | lb. | .18½ - .19 |
| Prussiate, red, bbls. | lb. | .30½ - .34 |
| Yellow, bbls. | lb. | .14 - .15 |
| Ricinoleate, tech., bbls. | lb. | .12 - — |
| Silicate alkaline, lump, bgs., | lb. | .07 - — |
| Sulphate, NF, cryst., bbls., 400 lbs. | lb. | .13 - — |
| kgs., 100 lbs. | lb. | .15 - — |
| powd., bbls., 350 lbs. | lb. | .14 - — |
| kgs., 100 lbs. | lb. | .16 - — |
| tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports. | ton. | 36.25 - — |
| l.c.l. | ton. | 44 - — |
| Xanthate, dms., c.l. | lb. | .12 - — |
| Potash-magnesia sulphate, 48-53%, min. 48%, bgs., ships, | ton. | 24.75 - — |
| Potash-titanium oxalate, kgs. | lb. | .35 - .40 |
| Prickly ash bark, bls. | lb. | .19 - .20 |
| Berries, bgs. | lb. | .45 - .46 |
| Prince's pine herb, bls. | lb. | .15 - .16 |
| Propane, tanks, Group 3 | gal. | .03¾ - .04 |
| Psyllium seed (see Fleaseed). | | |
| Pulsatilla, bls. | lb. | No prices |
| Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 8 or over, works. | lb. | .03 - — |
| less than 3, works. | lb. | .03½ - — |

## Petroleum Thinners—Pyrites

| | | |
|---|---|---|
| Pumice stone, Italian, Amer.grd. F and 1, bbls., 3 or over, works. | lb. | .03¼ - — |
| less than 3, works. | lb. | .04 - — |
| O, O-½, O-¾, and ½ bbls., less than 3, works. | lb. | .04½ - — |
| 3 or over, works. | lb. | .04 - — |
| Ital.-grd., bgs., c.l., shipt. ex dock, N.Y. | ton. | 32.65 Nom. |
| l.c.l., 5-29 tons, ex whse., | ton. | 37.70 - — |
| 1,000-10,000 lbs., ex whse. | ton. | 38.70 - — |
| 2 bgs., to 1,000 lbs., ex whse. | ton. | 40.70 - — |
| single bgs., ex whse. | ton. | 45.70 - — |
| Pumpkin seed, bgs. | lb. | .10 - .11 |
| Purple lake (see Red). | | |
| Putty, com'l, dms. | 100 lbs. | 6.00 - — |
| linseed oil, raw, dms. | 100 lbs. | 4.50 - — |
| refined, dms. | 100 lbs. | 5.00 - — |
| standard, dms. | 100 lbs. | 3.95 - — |
| Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Sell test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless. | gal. | 7.15 - 7.50 |
| basis (30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless. | gal. | 10.65 -11.00 |
| Pyrethrum, flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over. | lb. | .33 - .36 |
| fine powd. Japan, bbls., ton lots frt. alld. | lb. | .35 - .37 |
| Pyridin, denaturing, dms. | gal. | 1.63 - — |
| refd., 2°, dms. | lb. | .50 - — |
| Pyrites, Spanish, bulk, c.l.f. Atl. ports. | unit-ton. | .12-13 Nom. |

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*Management, International Exposition Co.*

## Pyrocatechin—Salt

| | | |
|---|---|---|
| Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. | 2.15 | - 2.40 |
| resublimed, fib. dms., tins..lb. | 4.00 | - — |
| Pyrophyllite, standard, 200 mesh.. c.l. mines..ton. | 9.00 | - — |
| 325 mesh, same basis....ton. | 12.00 | - — |
| No. 3, 200 mesh c.l. mines..ton. | 7.50 | - — |
| 325 mesh, same basis....ton. | 10.50 | - — |
| Pyroxylin, scrap, amber, cs., works..lb. | .12 | - — |
| black, cs., works.....lb. | .10 | - — |
| China white, ivory, cs., works, lb. | .13 | - — |
| dense white, cs., works..lb. | .10 | - — |
| gray, cs., works.....lb. | .08 | - — |
| mixed, mottles, opaque, cs., works..lb. | .04 | - — |
| shell-demi, cs., works....lb. | .12 | - — |
| translucent pastels, cs., works..lb. | .10 | - — |
| Pyroxylin, scrap, china, shell-demi, transparent, cs., works..lb. | .20 | - — |
| colors, cs., works.....lb. | .12 | - — |
| shavings, amber, cs., works..lb. | .16 | - — |
| colors, mixed, cs., works.lb. | .10 | - — |
| white, cs., works.....lb. | .15 | - — |

## Q

| | | |
|---|---|---|
| Quassia chips, bls.....lb. | .05 | - .06 |
| Quebracho extract, liquid, 35% tan, bbls., works..lb. | No prices | |
| tanks, works.....lb. | No prices | |
| solid, 63%, bgs., c.l., ex dock, plus duty..lb. | No prices | |
| clarified, 64%, bgs., c.l., same basis..lb. | No prices | |
| Queen of the meadow leaves, bgs..lb. | .07 | - .08 |
| Root, bgs.....lb. | .10 | - .11 |
| Quercitron, extract, liquid, 51°, bbls..lb. | .07½ | - .08¼ |
| solid, dms.....lb. | .10 | - .15½ |
| Quicksilver, dom., flasks, (76 lbs. net, dlvd., N. Y..flasks. | 125.00 | -130.00 |
| European, flasks, (76 lbs. net) in bond..flasks. | 78.00 | Nom. |
| Quince seed, bgs.....lb. | .60 | - 1.10 |
| Quinidine, cryst., small, cns..oz. | .89 | - — |
| large, cns.....oz. | .98 | - — |
| powd., precip., cns.....oz. | .91 | - — |
| Sulphate, cns.....oz. | .67 | - — |
| Quinine, 100 ozs., cns.....oz. | .76 | - — |
| Acetate, cns.....oz. | .99 | - — |
| Arsenate, cns.....oz. | .92 | - — |
| Arsenite, cns.....oz. | 1.01 | - — |
| Bisulphate, cns.....oz. | .54 | - — |
| Citrate, cns.....oz. | .72 | - — |
| Dihydrobromide, bots.....oz. | .75 | - — |
| Dihydrochloride, bots.....oz. | .75 | - — |
| Ethylcarbonate, cns.....oz. | .75 | - — |
| Ferrocyanide, cns.....oz. | 1.01 | - — |
| Formate, cns.....oz. | .94 | - — |
| Glycerophosphate, cns.....oz. | 1.14 | - — |
| Hydrochloride, cns.....oz. | .68 | - — |
| Hydrochlorosulphate, cns....oz. | .75 | - — |
| Hydroiodide, cns.....oz. | .99 | - — |
| Hypophosphite, cns.....oz. | .99 | - — |
| Phosphate, cns.....oz. | .82 | - — |
| Salicylate, cns.....oz. | .73 | - — |
| Sulphate, USP, X, cns.....oz. | .54 | - — |
| USP, XI, cns.....oz. | .61 | - — |
| Sulphocarbolate, cns.....oz. | .97 | - — |
| Tannate, cns.....oz. | .37 | - — |
| Tartrate, cns.....oz. | .97 | - — |
| Valerate, cns.....oz. | .93 | - — |
| Quinine-urea hydrochloride, cns.oz. | .75 | - — |

## R

| | | |
|---|---|---|
| R. salt, dry, bbls.....lb. | .55 | - — |
| paste, dms. .....lb. | .62 | - — |
| Rapeseed, Belgian, bgs.....lb. | .06½ | - .07 |
| Dutch, black, bgs.....lb. | .07¾ | - .08¼ |
| red, bgs.....lb. | .07¼ | - .07½ |
| Japanese, bgs.....lb. | .06¾ | - .07 |
| Raspberries, dried, bls.....lb. | .55 | - .60 |
| Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. | 1.10 | - 1.90 |
| Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia., (Shreveport, 1¼c.) Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago | | |
| Cadmium, lithopone, deep shade, bbls., ton lots, works frt. alld..lb. | .85 | - — |
| smaller lots, same basis, lb. | .90 | - — |
| kgs., ton lots, same basis, lb. | .90 | - — |
| smaller lots, same basis, lb. | .95 | - — |
| light shade, bbls., ton lots, same basis..lb. | .70 | - — |
| smaller lots, same basis, lb. | .75 | - — |
| kgs., ton lots, same basis, lb. | .75 | - — |
| smaller lots, same basis, lb. | .80 | - — |
| light-medium shade, bbls., ton lots, same basis..lb. | .75 | - — |
| smaller lots, same basis, lb. | .80 | - — |
| kgs., ton lots, same basis, lb. | .80 | - — |
| smaller lots, same basis, lb. | .85 | - — |
| Red, cadmium maroon shades, bbls., ton lots, same basis, lb. | .95 | - — |
| smaller lots, same basis, lb. | 1.00 | - — |
| kgs., ton lots, same basis, lb. | 1.00 | - — |
| smaller lots, same basis, lb. | 1.05 | - — |
| medium shade, bbls., ton lots, same basis..lb. | .80 | - — |
| smaller lots, same basis, lb. | .85 | - — |
| kgs., ton lots, same basis, lb. | .85 | - — |
| medium shade, kgs., smaller lots, same basis..lb. | .90 | - — |
| selenide, bbls., dark, works, lb. | 2.50 | - — |
| light, works.....lb. | 2.25 | - — |
| Orange, bbls., 100-lb. lots, works..lb. | 1.50 | - — |
| Carmine, 40 1-lb. cns., 500 lbs., lb. | 4.50 | - — |
| dms., 500-lb. lots.....lb. | 4.35 | - — |
| 100-lb. lots .....lb. | 4.45 | - — |
| Crocus martis (see Red, purple oxide). | | |
| Eosin toner, bbls.....lb. | 1.50 | - 1.60 |
| Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y...lb. | .08¾ | - — |
| 80%-85%, bbls., same basis.lb. | .07¾ | - — |
| Iron oxide (see Red oxide). | | |
| Lake C toner, bbls., same basis alizarin lake, contracts..lb. | 1.10 | - — |
| open order .....lb. | 1.15 | - — |
| Lithol toner, bbls., same basis, alizarin, lake, contrs...lb. | .62 | - — |
| open order.....lb. | .67 | - — |
| Rose lake, bbls.....lb. | .20 | - .23 |
| Pink, bbls.....lb. | .15 | - .20 |
| Lithol-rubine toner, bbls., same basis alizarin lake..lb. | 1.35 | - — |
| Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. | .40 | - — |
| Oxide (see Red, purple oxide). | | |
| Mercury oxide, tech., dom., bbls. lb. | 1.76 | - — |
| Metallic, bbls., Pa., works...lb. | .02 | - — |
| Orange, Persian (see O). | | |
| Oxide, pure, bbls., c.l., works, lb. | .08½ | - — |
| l.c.l., works .....lb. | .09½ | - — |
| shell, dom., cs., works....lb. | .12 | - — |
| reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. | .08¼ | - — |
| 80% copperas oxide, bbls., same basis..lb. | .07¾ | - — |
| Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. | .75 | - — |
| open order .....lb. | .80 | - — |
| Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lo. | .04½ | - .04¾ |
| ex whse., Chicago, St. Louis..lb. | .05¾ | - — |
| San Fran., Los Ang., Portland, Seattle..lb. | .05 | - — |
| Phloxin toner (see Red, Eosin toner) | | |
| Phosphotungstic rhodamine Y, kgs..lb. | 3.90 | - — |
| Red, purple lake, kgs.....lb. | .60 | - 1.00 |
| Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. | .08 | - — |
| Toner, kgs.....lb. | 1.50 | - 2.00 |
| Scarlet ink toner, kgs., same basis alizarin lake..lb. | .50 | - — |
| Lake, kgs., same basis alizarin lake..lb. | .25 | - .30 |
| Spanish, oxide, bbls., f.o.b. N. Y..lb. | .03¾ | - .0390 |
| Toluidine toner, kgs., same basis alizarin lake..lb. | 1.20 | - — |
| Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. | .11 | - .40 |
| Venetian, bbls., works.....lb. | .0220 | - — |
| 10%, bbls., works.....lb. | .0245 | - — |
| 15%, bbls., works.....lb. | .0255 | - — |
| 20%, bbls., works.....lb. | .02¾ | - — |
| 25%, bbls., works.....lb. | .03 | - — |
| 30%, bbls., works.....lb. | .03¼ | - — |
| 35%, bbls., works.....lb. | .0360 | - — |
| 40%, bbls., works.....lb. | .04 | - — |
| Vermilion, Amer., bbls., same basis alizarin lake.....lb. | .15 | - — |
| quicksilver, bbls., 5 tons..lb. | 1.96 | - — |
| smaller lots.....lb. | 2.00 | - 2.09 |
| Red dyes are listed under Dyes. | | |
| Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. | 1.81 | - — |
| Red saunders wood, ground, bbls., lb. | .12 | - .17 |
| Resorcinol, tech., dms., works.lb. | .75 | - .80 |
| USP, cryst., bbls., works...lb. | 1.50 | - 1.55 |
| Rhatany root, bgs.....lb. | .15 | - .16 |
| Rhodinol, bots.....lb. | 5.55 | -10.90 |
| Rhubarb, root, cs.....lb. | .50 | - .55 |
| powd., bbls., kgs.....lb. | .55 | - .60 |
| Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. | .18¾ | - — |
| smaller lots.....lb. | .19¼ | - — |
| powd., bbls., 5,000 lbs., 1 shipt..lb. | .17¾ | - — |
| smaller lots.....lb. | .18¼ | - — |
| Rose flowers, pale, bls.....lb. | .60 | - .80 |
| red, bls.....lb. | 2.75 | - 3.25 |
| Rosemary flowers, bls.....lb. | .30 | - .60 |
| Leaves, bls.....lb. | .08 | - .14 |
| Rosin, gum, B, bbls., ex dock, 280 lbs. | 5.15 | - — |
| D, bbls.....280 lbs. | 5.15 | - — |
| E, bb's.....280 lbs. | 5.30 | - — |
| F, bbls.....280 lbs. | 5.65 | - — |
| G, bbls.....280 lbs. | 5.80 | - — |
| H, bbls.....280 lbs. | 6.00 | - — |
| I, bbls.....280 lbs. | 6.85 | - — |
| K, bbls.....280 lbs. | 6.85 | - — |
| M, bbls.....280 lbs. | 6.85 | - — |
| N, bbls.....280 lbs. | 6.90 | - — |
| W, G., bbls.....280 lbs. | 7.10 | - — |
| W, W., bbls.....280 lbs. | 7.50 | - — |
| X, bbls.....280 lbs. | 7.50 | - — |
| Rosin, wood, bbls.....280 lbs. | 4.10 | - 5.75 |
| Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. | 25.50 | - — |
| l.c.l., f.o.b. mines.....ton. | 37.50 | - — |
| import, lump, bbls.....lb. | .14 | - — |
| powd., bbls.....lb. | .08¼ | - .10 |
| Rue, bls.....lb. | .35 | - .38 |

## S

| | | |
|---|---|---|
| Sabadilla seed, powd., bbls....lb. | .20 | - .23 |
| Saccharin, dms., 100 lbs.....lb. | 1.45 | - — |
| cns., 25 lbs.....lb. | 1.48 | - 1.50 |
| Safflower, bls.....lb. | .33 | - .38 |
| Saffron, Mexican, bls.....lb. | .38 | - .42 |
| Spanish, tins.....lb. | 34.00 | -35.00 |
| Sage, Dalmatian, stemless.....lb. | .12 | - .20 |
| garden, bls.....lb. | .06¼ | Nom. |
| Safrol, cns.....lb. | .52 | - .53 |
| dms.....lb. | .49 | - .50 |
| Sago flour, bgs.....lb. | .03¼ | - .04 |
| Salicin, bots., 5 lbs.....lb. | 5.00 | - — |
| cns., 25 lbs.....lb. | 4.75 | - — |
| Salol, gran., bbls., 200 lbs.....lb. | .90 | - — |
| bxs., 25 lbs.....lb. | .93 | - — |
| kgs., 100 lbs.....lb. | .90 | - — |
| powd., fib. dms., 25 lbs.....lb. | 1.03 | - — |
| kgs., 100 lbs.....lb. | 1.00 | - — |
| Salt, rock, bgs., dlvd., N. Y..ton. | 13.20 | -15.80 |
| l.c.l., bgs., dlvd., N. Y..ton. | 15.00 | -15.60 |
| vacuum, common, fine, bgs.,c.l. dlvd., N.Y...ton. | 14.00 | - — |
| l.c.l., dlvd. N.Y.....ton. | 15.00 | -19.70 |

**To achieve a combination of brilliance in tone and low price in the finished product, paint manufacturers are using Number 5520 Toluidine Red.**

**This low cost pigment color provides a very brilliant tone and color permanency, equal to that of any other toluidine with but very little sacrifice in hiding. Number 5520 has the usual properties of a toluidine as far as solubility in solvents is concerned and, where price is an essential, its outstanding properties and low cost make it a favorite of formulators.**

**Number 5520 is another outstanding example of why, for over half a century, Lavanburg has been a preferred source of chemical colors for paint, varnish and enamel manufacturers. Your inquiries on this and other Lavanburg products are invited.**

**FRED. L. LAVANBURG COMPANY, INC.**

**Chemical Color Division of Reichhold Chemicals, Inc.**

**Factory: BROOKLYN, NEW YORK General Offices: DETROIT, MICH.**

| | | | |
|---|---|---|---|
| **Saltcake, grd., dom., bbls., works,** ton. | 19.00 | - | 25.00 |
| **bulk, works** ton. | 15.00 | - | — |
| import, bulk, c.i.f. ton. | 15.00 | Nom. | |
| **Chrome (see Chrome cake).** | | | |
| **Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.** 100 lbs. | 7.50 | - | 8.25 |
| **1-9 tons** 100 lbs. | 7.95 | - | 8.40 |
| **less than ton lots.** 100 lbs. | 7.90 | - | 8.65 |
| **gran., bbls., 10-20 tons,** 100 lbs. | 6.50 | - | — |
| **1-9 tons** 100 lbs. | 6.65 | - | — |
| **less than ton lots.** 100 lbs. | 6.90 | - | — |
| **powd., bbls., 10-20 tons,** 100 lbs. | 7.50 | - | — |
| **1-9 tons** 100 lbs. | 7.65 | - | — |
| **less than ton lots.** 100 lbs. | 7.90 | - | — |
| **Santonin, cryst., cns.** kilo. | 110.00 | - | 115.00 |
| **Saponin, crude, cns.** lb. | 1.45 | - | — |
| **purified, bots, 5 lbs.** lb. | 1.65 | - | — |
| **cns., 25 lbs.** lb. | 1.50 | - | — |
| Sarsaparilla root, Honduras, bls. lb. | .40 | - | .41 |
| Mexican, bls. lb. | .18 | - | .19 |
| **Sassafras, bark, ord., bls.** lb. | .12 | - | .13 |
| **select, bls.** lb. | .18 | - | .20 |
| Savory, bbls. lb. | .07½ | Nom. | |
| Saw palmetto berries, bgs. lb. | .06 | - | .07 |
| Scammony root, bgs. lb. | .07 | - | .09 |
| resin., lump, cns. lb. | .85 | - | — |
| powd., bxs. lb. | .90 | - | — |
| **Schaeffer's salt, bgs.** lb. | .46 | - | — |
| **Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't.** lb. | .14¾ | - | — |
| **smaller lots** lb. | .15¼ | - | — |
| **kegs, 5,000 lbs., 1 shipm't.** lb. | .15½ | - | — |
| **smaller lots** lb. | .15¾ | - | — |
| **Selenium, pwd., A, 10-lb. tins.** lb. | 2.00 | - | — |
| **100-lb. cases** lb. | 1.75 | - | — |
| Senega root, bls. lb. | .58 | - | .60 |
| Senna leaves, Alexandria, bls. lb. | No prices | | |
| siftings, bls. lb. | .10 | - | .19 |
| Tinnevelly, No. 1, bls. lb. | .12 | - | .14 |
| 2 bls. lb. | .10 | - | .12 |
| 3 bls. lb. | .08 | - | .09½ |
| powd., bbls., bxs. lb. | .12 | - | .13 |
| Pods, bls. lb. | .11 | - | .12 |
| Serpentaria root, bls. lb. | .73 | - | .75 |
| **Shellac, bleached, bonedry, bbls., f.o.b., N.Y.** lb. | No prices | | |
| dlvd. Boston lb. | No prices | | |
| Chicago lb. | No prices | | |
| Pacific Coast lb. | No prices | | |
| refd., bbls., f.o.b., N.Y. lb. | No prices | | |
| dlvd. Boston lb. | No prices | | |
| Chicago lb. | No prices | | |
| Pacific Coast lb. | No prices | | |
| Garnet, bgs. lb. | .14½ | - | .18 |
| Orange, D.C., VSO., Diamond I, cases lb. | .21 | - | .22 |
| **Superfine, bgs., f.o.b. Bost., N.Y.** lb. | .13 | Nom. | |
| dlvd. Chicago lb. | .13½ | Nom. | |
| Pacific Coast lb. | .16 | Nom. | |
| T.N., bgs., f.o.b. Bost., N.Y., lb. | .12 | Nom. | |
| dlvd., Chicago lb. | .12½ | Nom. | |
| Pacific Coast lb. | .15 | Nom. | |
| Varnish, orange, 5-lb. cut., bbls. gal. | .90 | Nom. | |
| 4½-lb cut, bbls. gal. | .85 | Nom. | |
| 4-lb. cut, bbls. gal. | .80 | Nom. | |
| white, 5-lb. cut, bbls. gal. | 1.00 | Nom. | |
| 4½-lb. cut, bbls. gal. | .95 | Nom. | |
| 4-lb. cut, bbls. gal. | .90 | Nom. | |
| **Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.** ton. | 17.00 | - | — |
| **l.c.l., 2½ tons, works.** ton. | 19.00 | - | — |
| **smaller lots, works.** ton. | 20.00 | - | — |
| **wet-grd., 95-97%, 325 mesh, bgs., c.l., works..** ton. | 19.00 | - | — |
| **l.c.l., 2½ tons, works.** ton. | 19.50 | - | — |
| **smaller lots, works.** ton. | 21.00 | - | — |
| **400 mesh, bgs., c.l., works,** ton. | 35.00 | - | — |
| **l.c.l., 2½ tons, works.** ton. | 36.50 | - | — |
| **smaller lots, works.** ton. | 38.00 | - | — |
| **wet-grd., 96-98%, 325 mesh, bgs., c.l., works..** ton. | 20.00 | - | — |
| **l.c.l., 2½ tons, works.** ton. | 21.50 | - | — |
| **smaller lots, works.** ton. | 23.00 | - | — |
| **99%, 325 mesh bgs., c.l., works..** ton. | 22.00 | - | — |
| **bgs., l.c.l., 2½ tons, works,** ton. | 25.50 | - | — |
| **smaller lots** ton. | 27.00 | - | — |
| **hard-quartz, 140 mesh, bgs., c.l., works** ton. | 11.00 | - | — |
| **l.c.l., works** ton. | 16.00 | - | — |
| Silver bullion oz. | .25¾ | - | — |
| **Govt., purchase, dom., metal.** oz. | .71 | 11- | — |
| **Govt. purchase, foreign metal** oz. | .35 | - | — |
| cyanide, cns., 2,500 ozs. oz. | No prices | | |
| 1,000 ozs. oz. | No prices | | |
| 500 ozs. oz. | No prices | | |
| 80 to 100 ozs. oz. | No prices | | |
| Nitrate, vis., oz. | .28 | - | .30¼ |
| **Nucleinate, bots., cns., 480 oz., lots.** oz. | .30 | - | .31 |
| **Proteinate, bots., cns., 480 oz., lots.** oz. | .29 | - | .30 |
| Simarubra bark, bls. lb. | .33 | - | .45 |
| **Skatol, bots.** lb. | 75.00 | - | 80.00 |
| Skullcap, Eastern, bls. lb. | .23 | - | .24 |
| Western, bls. lb. | .14 | - | .15 |
| **Skunk cabbage root, bls.** lb. | .11 | - | .12 |
| **Slate flour, bgs., c.l., works.** ton. | 9.00 | - | — |
| **l.c.l., works** ton. | 10.00 | - | 15.00 |
| Sloe berries, bgs. lb. | .19 | - | .22 |
| **Smalt, black, extra velvet, cnts.,** lb. | .05 | - | .08 |
| **Blue, cts.** lb. | .07 | - | .08¼ |
| **Snakeroot, Canada, bls.** lb. | .24 | - | .26 |
| Soapbark, bls. lb. | .17 | - | .18 |
| crushed, bls., bbls. lb. | .22 | - | .23 |
| cut, bls., bbls. lb. | .24 | - | .28 |
| powd., bbls. lb. | .20 | - | .22 |
| **Soda, acetate, anhyd., dms., dlvd.** lb. | .08¼ | - | .10 |
| **flake, gran., powd., 60%, dms., c.l., dlvd.** lb. | .04 | - | — |
| **l.c.l., dlvd.** lb. | .04½ | - | .05 |
| **powd., 90%, dms., c.l., dlvd.,** lb. | .06 | - | — |
| **l.c.l., dlvd.** lb. | .06¾ | - | — |
| **Alginate, dms., bbls., works,** lb. | .71 | - | .95 |
| **Antimoniate, bbls.** lb. | .11½ | - | .13 |
| **Arsenate, dms., dealers, c.l., works.** lb. | .08 | - | — |
| **l.c.l., dms., works.** lb. | .08½ | - | — |
| **Arsenite, dry, gray, dms., c.l., dealers' works.** lb. | .07½ | - | .08¼ |
| **l.c.l., dms., works.** lb. | .06 | - | .10 |
| **white, dms., c.l., dealers' works.** lb. | .09 | - | .11 |
| **l.c.l., dms., works.** lb. | .09½ | - | .11½ |

**Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.**

| | | | |
|---|---|---|---|
| **Ash, dense, 58%, bgs., c.l., works.** 100 lbs. | 1.10 | - | — |
| **l.c.l., Zone 1** 100 lbs. | 2.13 | - | — |
| **2** 100 lbs. | 2.28 | - | — |
| **3** 100 lbs. | 2.33 | - | — |
| **4** 100 lbs. | 2.93 | - | — |
| **bbls., c.l., works.** 100 lbs. | 1.35 | - | — |
| l.c.l., Zone 1 100 lbs. | 2.35 | - | — |
| **2** 100 lbs. | 2.50 | - | — |
| **3** 100 lbs. | 2.75 | - | — |
| **4** 100 lbs. | 3.15 | - | — |
| **cmk., c.l., works.** 100 lbs. | .85 | - | — |
| **extra light, 58%, bgs., c.l.,** 100 lbs. | 1.05 | - | 1.08 |
| l.c.l., Zone 1 100 lbs. | 2.08 | - | — |
| **2** 100 lbs. | 2.23 | - | — |
| **3** 100 lbs. | 2.48 | - | — |
| **4** 100 lbs. | 2.88 | - | — |
| **bbls., c.l., works.** 100 lbs. | 1.35 | - | — |
| l.c.l., Zone 1 100 lbs. | 2.35 | - | — |
| **2** 100 lbs. | 2.50 | - | — |
| **3** 100 lbs. | 2.75 | - | — |
| **4** 100 lbs. | 3.15 | - | — |
| **bulk, c.l.** 100 lbs. | .90 | - | — |

**Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S. C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N. D., Okla., S. D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N. M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).**

| | | | |
|---|---|---|---|
| **Benzoate, tech., bbls., 4,000 lbs. or more.** lb. | .30 | - | — |
| **1,000 to 3,900 lbs.** lb. | .40 | - | — |
| **900 lbs. or less.** lb. | .43 | - | — |
| **Benzoate, USP, bbls., 4,000 or more.** lb. | .46 | - | — |
| **1,000 to 3,900 lbs.** lb. | .47 | - | — |
| **900 lbs. or less.** lb. | .50 | - | — |
| **dms., 4,000 lbs., or more,** lb. | .47 | - | .48 |
| **1,000 to 3,900 lbs.** lb. | .48 | - | .49 |
| **900 lbs. or less.** lb. | .51 | - | .53 |
| Bicarbonate, USP, gran., bbls., c.l., works. 100 lbs. | 2.25 | - | — |
| **powd., bbls., c.l., works,** 100 lbs. | 1.85 | - | — |
| l.c.l., dlvd. N. Y. 100 lbs. | 2.51 | - | — |
| **kgs., c.l.** 100 lbs. | 2.10 | - | — |
| l.c.l., dlvd. N. Y. 100 lbs. | 2.76 | - | — |
| **tech., bbls., c.l., wks.** 100 lbs. | 1.70 | - | — |
| l.c.l. 100 lbs. | 2.05 | - | — |
| **bgs., c.l.** 100 lbs. | 1.55 | - | 1.60 |
| l.c.l. 100 lbs. | 1.90 | - | 1.95 |
| **Bichromate, spot, c.l., works.** lb. | .06¾ | - | — |
| **l.c.l., 5 cks. or 10 bbls. or over, works.** lb. | .07 | - | — |
| **5 cks, or 9 bbls. or less, works.** lb. | .07¼ | - | — |
| **Bifluoride, bbls.** lb. | .11¼ | - | .12 |
| Bisulphite, powd., bbls., c.l., **bbls., wks.** 100 lbs. | 2.30 | - | 2.55 |
| l.c.l., **works.** 100 lbs. | 2.50 | - | 2.60 |
| **solution, 33 deg., bbls., c.l., works.** 100 lbs. | 1.30 | - | — |
| l.c.l., **bbls., works.** 100 lbs. | 1.55 | - | — |
| solution, 63 deg., bbls., c.l., works. 100 lbs. | 1.35 | - | — |
| l.c.l., bbls., works. 100 lbs. | 1.60 | - | — |
| **38 degs., bbls., c.l., works,** 100 lbs. | 1.40 | - | — |
| l.c.l., bbls., works. 100 lb. | 1.65 | - | — |
| **40 deg., bbls., works.** 100 lbs. | 1.55 | - | — |
| l.c.l., bbls., works. 100 lbs. | 1.80 | - | — |
| **Bromide, USP, gran., bbls., 500 lbs.** lb. | .51 | - | — |
| **fiber dms., 100 lbs.** lb. | .52 | - | — |

## Saltcake—Soda Chlorate

| | | | |
|---|---|---|---|
| Soda Cacodylate, bbls., 5 lbs. lb. | 5.81 | - | — |
| **jars 25 lbs.** lb. | 5.50 | - | — |
| **Carbonate (see Soda ash, soda monohydrated, soda sal)** | | | |
| **Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works.** 100 lbs. | 2.95 | - | — |
| **dms., c.l., works.** 100 lbs. | 2.70 | - | — |
| **l.c.l., Zone 1** 100 lbs. | 3.55 | - | 4.00 |
| **2** 100 lbs. | 3.70 | - | 5.00 |
| **3** 100 lbs. | 3.95 | - | 5.20 |
| **4** 100 lbs. | 4.35 | - | 5.70 |
| **electro process, dms., c.l., works.** 100 lbs. | 2.70 | - | — |
| **l.c.l. same zone prices as ammonia process.** | | | |
| **liquid, 47-49% buyers' tanks, works.** 100 lbs. | 1.92½ | - | — |
| **seller's tanks, works,** 100 lbs. | 1.95 | - | — |
| **70%, buyer's tanks, works,** 100 lbs. | 1.97½ | - | — |
| **seller's tanks, works,** 100 lbs. | 2.00 | - | — |
| **solid, 76%, ammon. process, dms., c.l., works.** 100 lbs. | 2.30 | - | — |
| **l.c.l., Zone 1** 100 lbs. | 2.15 | - | — |
| **2** 100 lbs. | 2.30 | - | — |
| **3** 100 lbs. | 2.55 | - | — |
| **electro process, dms., c.l., works.** 100 lbs. | 2.30 | - | — |
| **l.c.l., same zone prices as ammon process.** | | | |
| **Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.** | | | |
| **Chlorate, dom., cryst., bgs c.l., works.** lb. | .06¼ | - | — |
| **l.c.l., works.** lb. | .06½ | - | — |
| **powd., bgs., c.l., works.** lb. | .06½ | - | — |
| **l.c.l., works.** lb. | .07 | - | .08¼ |


A "BUILD UP"

FOR BETTER SOAPS AND CLEANING COMPOUNDS

DU PONT
REG. U. S. PAT. OFF.

TETRA SODIUM PYRO PHOSPHATE

DU PONT Tetra Sodium Pyro Phosphate is the choice of many manufacturers because of its constant uniformity and high quality.

Du Pont "Pyro" is *odorless, aids detergency* and *cleansing*, and *improves emulsification, sudsing* and *rinsing*, making better soaps and cleaning compounds possible.

Specify "Du Pont Pyro" in your next order. Available in both granular and powdered forms and shipped in barrels, kegs and bags.

•

*Let us also quote you on T. S. P., Sodium Silicate, Sodium Metasilicate, Caustic Soda, Soda Ash and other chemicals.*

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON · DELAWARE

DU PONT
REG. U. S. PAT. OFF.

## Soda Chromate—Urea

Soda, chromate, spot, c.l., works, lb. .08¼ - —
l.c.l., 5 cks., 10 bbls. or over, works..lb. .08¾ - —
smaller quantities.....lb. .08¾ - —
Citrate, U.S.P., VIII, gran. bbls., 336-lb. lots..lb. .18½ - —
cns., 50-lb. lots.....lb. .20½ - —
25-lb. lots.....lb. .22½ - .23½
kgs., 100-lb. lots.....lb. .19½ - —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½ - —
boxes, 50-lb. lots.....lb. .26½ - —
cns., 25-lb. lots.....lb. .29½ - —
kgs., 100-lb. lots.....lb. .25½ - —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. .12¾ - .13¾
Cyanide, gold, 46% gold, bots., works..oz. 15.85 - 17.10
Diacetate, 85-86% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼ - —
l.c.l., 10 or over, same basis..lb. .07¾ - —
5-9, same basis.....lb. .08¼ - —
1-4, same basis.....lb. .08¾ - —
95%, bbls., c.l., same basis, lb. .07½ - —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08¼ - —
1-4, same basis.....lb. .08¾ - —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots, lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½ - .23
Hypophosphite, N.F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt., equal'd, 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.50
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
pea, 500 to 2,500 lbs., bgs., works..100 lbs. 3.10 - 3.25
bbls., wks.....100 lbs. 3.30 - 3.50
dms., wks.....100 lbs. 3.60 - 3.80
less than 500 lbs., bgs., wks. 100 lbs. 3.70 - 3.90
bbls., wks.....100 lbs. 3.90 - 4.10
dms., wks.....100 lbs. 4.20 - 4.40
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.10 - —
bots.....lb. 2.21 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.30
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., wks..100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works.....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment, ton. 29.00 - —
200-lb. bgs., same basis..ton. 32.50 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98% dom., bbls., c.l., wks., frt. equalized..lb. .06¾ - —
c.l., West Coast, f.o.b. ports..lb. .05 - —
l.c.l.....lb. .05¼ - .11¼
Soda nitrite l.c.l price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs.....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾ - —
l.c.l. works.....lb. .15¼ - —
Phosphate, dibasic, anhyd., bgs., c.l., wks..100 lbs. 4.52 - —
l.c.l., works.....100 lbs. 5.51 - —
bbls., c.l., works..100 lbs. 4.72 - —
l.c.l., works .....100 lbs. 5.71 - —
cryst., tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l. works.....100 lbs. 8.90 - —
tribasic, bgs., c.l., works..lb. 2.00 - —
c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works .....100 lbs. 3.10 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½ - .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .09½ - —
contracts .....lb. .09 - —
smaller lots.....lb. .09¾ - —
contracts .....lb. .09½ - —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.20 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs. .....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms., and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
6-19 dms .....100 lbs. 4.10 - —
1-4 dms. .....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .90 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
Soda, silicate, 52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .04 - .04¼
import, bbls.....lb. .04 - .04½
Stannate, dms.....lb. No prices
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works, gal. .31 - —
tanks, E. of Omaha, frt., alld. gal. .26 - —
W. coast, f.o.b., Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½ - —
l.c.l. .....lb. .16 - —
lb. .11½ - —
l.c.l., works .....lb. .12 - —
Soybean protein, bgs., c.l., works, [illegible] sulphate [illegible] 1.60 - 1.85
Spearmint leaves, bls.....lb. .22 - .23
Spikenard root, bls.....lb. .11 - .13
Spruce extract, reg., bbls., c.l., works..lb. .01¾ - —
tanks, works.....lb. .01½ - —
powd., super, bgs, c.l., works. lb. .04 - —
super, bbls., c.l., works.....lb. .01¾ - —
tanks, works.....lb. .01¾ - —
Squawvine leaves, bls.....lb. .12 - .13
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .17 - .20
St. Ignatius beans, bgs.....lb. .44 - .45
[illegible] edible pie lb. .12 - .13
inedible, bls.....lb. .08½ - .09
[illegible] f.o.b. Chicago..100 lbs. 2.85 - 3.15
dlvd., N. Y.....100 lbs. 3.20 - 3.50
powd., bgs., f.o.b. Chicago, 100 lbs. 2.95 - 3.15
dlvd., N. Y.....100 lbs. 3.30 - 3.50
Potato, dom., bgs.....lb. .04½ - .05½
import, bgs.....lb. .06 Nom.
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bgs.....lb. .05 Nom.
Staveacre seed, bgs.....lb. .25 - .30
Stearin, oleo, bbls.....lb. .06 - .06¼
Stillingia root, bls.....lb. .07½ - .08
Stoneroot, bls.....lb. .07½ - .08
Storax, cs. .....lb. .48 - .49
Stramonium leaves, bls.....lb. .17 - .18
Seed, bgs.....lb. .20 - .21
Strontium bromide, fib, dms...lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
tech., 99-100 pc., precip., bbls., lb. .16½ Nom.
Chloride, bbls.....lb. .11 Nom.
Iodide, bots., 5 lbs.....lb. 2.90 - —
jars, 25 lbs.....lb. 2.85 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾ - —
25 bbls. and over.....lb. .08¼ - —
1-24 bbls. and over.....lb. .08¾ - —
Strophanthus seed, Kombe, bgs.lb. 1.95 - 2.00
Styralyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .26 - —
Arsenate, 25-oz., cns., 100-oz. lots..oz. .26 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .26 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .27 - —
Strychnine, hydrochloride, 25-oz. cns., 100-oz. lots..oz. .26 - —
Hypophosphate, 25-oz. cns., 100-oz. lots..oz. .77 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .20 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .27 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .42 - —
powd., cns., 100-oz. lots, oz. .22 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk, bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb., bots....lb. 1.40 - —
25 lb., dms., 1,000 lbs., 1 delivery, lb. 1.00 - —
100 lbs. .....lb. 1.05 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.90
Sulphonmethane, kgs.....lb. 5.25 - 5.40
Sulphur, crude, bulk, f.o.b. cars, mines, contracts....long-ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —
ex vessels, Atlantic seaboard, contract..long ton. 20.50 - —
Puget Sound, Columbia River, and British Columbia parts, bulk, contract.. long ton. 22.00 - —
flowers, bgs., c.l., works, 100 lbs. 2.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works...100 lbs. 3.25 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.80 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works..100 lbs. 1.60 - —
bbls., c.l., works...100 lbs. 1.95 - —
l.c.l., bgs., works...100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.25 - —
bbls., works.....100 lbs. 2.70 - —
l.c.l., bgs., works....100 lbs. 2.20 - 2.60
bbls., works.....100 lbs. 2.55 - 2.95
Sulphur, heavy, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works, 100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.68
light, bgs., c.l., works 100 lbs. 2.55 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works, 100 lbs. 3.00 - 3.45
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works.100 lbs. 2.50 - 2.90
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.60 - —
l.c.l., bgs., works...100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.28
rubber maker's, com'l., 99½%, c.l. frt., alid..100 lbs. 2.00 - —
bbls., same basis, c.l. 100 lbs. 2.85 - —
refined, 100%, bgs., c.l., frt. alid..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04¾ - .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½ - .10
Iodide, bots., jars.....lb. 2.90 - —
Precip., USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, bls....ton. No prices
leaf, bls.....ton. No prices
Extract, 42°, bbls.....lb. No prices
51°, bbls.....lb. No prices
stainless, bbls.....lb. .07½ - .09½
berries, bgs.....lb. .05½ - .06
Sunflower seed, Calif., large, bgs., lb. .06 - .06½
medium, bgs.....lb. .05 - .05½
poultry, bgs.....lb. .03¾ - .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, bost, Baltc. ton. 8.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 7.50 - —
tripla, 40-48%, a.p.a. bulk, f.o.b. Baltc..unit-ton. .70 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N. Y., fibrous, 96-94%, 325 mesh bgs., c.l., mills, ton. 14.00 - —
l.c.l., mills.....ton. 16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton. 15.00 - —
l.c.l., mills.....ton. 17.00 - —
98-99½%, 325 mesh, bgs., c.l., mills..ton. 15.25 - —
l.c.l., mills.....ton. 17.25 - —
90.85-99.95%, 325 mesh, bgs., c.l., mills..ton. 17.00 - —
coarse, off color, bgs., c.l., mills..ton. 11.00 - 13.00
Ohio, flake type, grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills. ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Canad., bgs., c.l., mills....ton. 11.50 - 13.00
French, high-grade, bgs., l.c.l., ex whse..ton. 45.00 - 60.00
ordinary, bgs., c.l., ex dock, arrival..ton. 23.00 - 25.00
l.c.l., ex whse.....ton. 27.50 - 32.50
Italian, 1, bgs., ex dock, arrival. ton. 65.00 - 67.00
ex whse.....ton. 85.00 - —
2, bgs., ex dock, arrival.ton. 60.00 - 62.00
Tallow, animal, edible.....lb. No prices
extra, loose.....lb. .06 Nom.
special, loose.....lb. .05⅝ Nom.
vegetable, ship, cs.....lb. .07 Nom.
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾ - —
l.c.l. .....lb. .04¾ - —
50% (43% fat), dms., c.l. lb. .05¼ - —
l.c.l. .....lb. .06¼ - —
50% (48% fat), dms., c.l..lb. .05¾ - —
l.c.l. .....lb. .06¾ - —
Tamarind, W. I., bbls.....lb. .05½ - .06
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 2.75 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk..unit-ton. 3.25 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.75 & .10
Tankage, unground, high-grade feeding, bulk, Chicago, unit-ton. 3.50 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f., ports, Sept. shipt., unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour, bgs.....lb. .03½ - .04½
Tar acid oil, 15%, dms., c.l., works..gal. .21 - —
l.c.l., same basis.....gal. .23 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tarragon herb, bgs.....lb. .50 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
powd., bbls., 5 or more..lb. .27¾ - —
less than 5.....lb. .28 - —
USP, powd., bbls.....lb. .33 - .33¼
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - .85
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachlorethane, dms.,works.lb. .08 - .09½
Tetrachloroethylene, CP, dms..lb. .21½ - —
tech. (see Perchloroethylene).
Tetralin, dms. .....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., wks..lb. 5.00 - 7.00
Theobromine, cns. .....lb. 2.10 - 2.40
Sodiosalicylate, cns. .....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .15 - .24
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - —
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs. .....lb. 3.35 - 3.40
Timbo root, powd., 4% rotenone, bbls..lb. .18 - .26
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. No prices
Crystals, bbls., kgs.....lb. No prices
Metals, Straits.....lb. .65 Nom.
Oxide, bbls. .....lb. No prices
Tetrachloride, anhyd., bbls..lb. .29 - —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd. lb. .13¼ - —
Pac. Cst., ex whse..lb. .13¼ - —
1,000-9,999 lbs., E. frt. pd. lb. .13½ - —
Pac. Cst., ex whse..lb. .13½ - —
50-999 lbs., E. frt. pd. lb. .13¾ - —
Pac. Cst., ex whse..lb. .13¾ - —
under 50 lbs., E. frt. pd. lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd lb. .13¼ - —
l.c.l., 5 tons, E. frt. pd. lb. .13½ - —
Pac. Cst., ex whse....lb. .13½ - —
1,000-9,999 lbs., E. frt. pd. lb. .13¾ - —
Pac. Cst., ex whse....lb. .13¾ - —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk-resistant, bgs., c.l., (20 tons), frt. pd..lb. .16 - —
l.c.l., 5 tons, frt. pd....lb. .16¼ - —
1,000-9,999 lbs., frt. pd.lb. .16½ - —
50-999 lbs., frt. pd....lb. .16¾ - —
Under 50 lbs., frt. pd..lb. .19 - —
bbls., c.l. (20 tons), frt. pd. lb. .16¼ - —
l.c.l., 5 tons, E. frt. pd..lb. .16½ - —
Pac. Cst., ex whse..lb. .16½ - —
1,000-9,999 lbs., E. frt. pd..lb. .16¾ - —
Pac. Cst., ex whse..lb. .16¾ - —
50-999 lbs., E. frt. pd., lb. .17 - —
Pac. Cst., ex whse..lb. .17 - —
barium, calcium, or magnesium base, c.l., D. frt. alld., lb. .05¼ - —
l.c.l., dlvd.....lb. .05½ - —
Pac. Cst., ex whse..lb. .05½ - —
under 50 lbs., E. dlvd.lb. .06¼ - —
bbls., c.l., D., frt. alld..lb. .05½ - —
l.c.l., E., dlvd.....lb. .06¾ - —
Pac. Cst., ex whse....lb. .05¾ - —
under 50 lbs., E. dlvd.lb. .06½ - —
Tolidin base, distilled, kgs....lb. .86 - —
Tolu, balsam, cns.....lb. .45 - .46
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
Nitration, dms., wks.....gal. .28½ - —
tanks, E. of Omaha, frt. alld. gal. .23½ - —
Tonga vine, NF, bls.....lb. .40 - .41
root, bls. .....lb. .42 - .43
Tonka beans, Angostura, cks..lb. 2.35 - 2.40
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works .....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works .....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½ - —
Zone 2, dms., c.l., works, frt. alld..lb. .08½ - —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —

All prices on trichlorethylene are ft. alld. with the exception of Zone 4 in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1, includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3, includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4, includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½ - .51⅛
dms., c.l., dlvd.....lb. .34½ - —
500 lbs., dlvd.....lb. .37½ - —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½ - —
less than 500 lbs.....lb. .25½ - .36⅛
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd. .....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton. 26.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
once-grd., bgs., c.l., works..ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07 Nom.
Madras, bgs.....lb. .08 Nom.
Turpentine, spirits, gum, obls., c.l., ex dock..gal. .30 - —
l.c.l., 10 ex dock.....gal. .32 - —
5 ex dock.....gal. .34 - —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .23 - .26
tanks, dlvd. E. cities....gal. .19 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

## U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton. 95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton. 95.00 - —
f.o.b. N. Y.....ton. 101.00 - —

Urea, import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
Urea nitrogen, dom., 42% N, bulk, Sept. shipt., f.o.b. Belle, W. Va..ton.55.40 - —
imported, 46% N, bgs., July-Aug.-Sept. shipt. .....ton.53.30 - —
50% N, bgs., July-Aug.-Sept. shipt...ton.40.35 - —
Uva ursi leaves, bls.....lb. .12 - .15

## V

Valerian root, bls.....lb. .18 - .27
Valonia, beards, bgs., shipt..ton.45.00
Cups, bgs., shipt.....ton. No prices
extract, powdered, 63%.....ton. No prices
Vanilla beans, Bourbon, tins..lb. 6.00 - 6.50
Mexican, tins.....lb. 6.00 - 6.50
cuts, tins.....lb. 5.75 - 6.00
South American, tins.....lb. 5.75 - 6.00
oleoresin, bots. .....lb. 9.65 -16.50
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.53 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works....15. dms., c.l., 30,000 lbs., gross works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

## W

Wahoo bark, bls.....lb. .37 - .38
tree .....lb. .19 - .22
Wattle bark, bgs., shipt....ton. No prices
Extract, solid, bags.....lb. No prices
Wax, bayberry, import, bgs..lb. .27 - .28
Bees, white, bleach, slabs, cs., 5 case lots..lb. .33 - —
1 cs., lots. .....lb. .34 - —
cakes, 5 cs., lots.....lb. .34 - —
1 cs., lots. .....lb. .35 - —
discs, 5 cs., lots.....lb. .35 - —
1 cs., lots..... ....lb. .36 - —
yellow, crude, Africa, bgs., lots of 10..lb. .19½- .20
1 bg.....lb. .20 - .20¼
Brazil, bgs., 5-10 ton lots, lb. .21½- .22
1 ton.....lb. .22 - .22¼
500 lbs.....lb. .22½- .23
100 lbs.....lb. .23 - .23¼
refd., slabs, cs., lbs.....lb. .25½- .31½
Candelilla, bgs., 1 ton.....lb. .16½- .17
jobbing lots.....lb. .17 - .17½
Wax, carnauba, No. 3, chalky, bgs., 1 ton..lb. No prices
5 bgs.....lb. No prices
1 bg.....lb. No prices
N. C. 2, bgs.....lb. No prices
N. C. 3, bgs., 1 ton.....lb. No prices
5 bgs.....lb. No prices
1 bg.....lb. No prices
refined, bgs.....lb. No prices
yellow, No. 1 bgs., 1 ton..lb. No prices
5 bgs.....lb. No prices
1 bg.....lb. No prices
No. 2, bgs.....lb. No prices
Ceresin, dom., 138°-140°, m.p., bgs., 1 ton..lb. .06½- —
jobbing lots.....lb. .09½- —
150°-160° m.p., bgs., 1 ton..lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .15 - .16
Montan, bge., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P.).
Spermacetic, blocks, cs.....lb. .18 Nom.
cakes, cs.....lb. .19 Nom.
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 2.04 - —
dms., 50 lbs., or more....lb. 1.91 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works..ton.11.20 -12.50
l.c.l., works.....ton.12.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l. works.....ton.15.60 -16.50
Whiting, gilders, extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60- 17.50
l.c.l., works.....ton.15.60 -18.50
Paris, white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works .....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.00 -21.50
English cliffstone (see Whiting, chalk, Paris white).
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90% 200 mesh, paper bgs., c.l. same basis.....ton. 6.25
Whiting, gilders, bgs., (extra), c.l., works...ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c., works. ton.12.50 - —
gilders, extra, bgs., l.c.l., 8-20 tons, works...ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
Limestone, water-floated, l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .07½- .08
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .09 - .10
Wild Indigo root, bgs.....lb. .13 - .14
Witch-hazel extract, dist., NF bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works, ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton.22.00 - —
80 mesh, bgs., ex dock....ton.24.50 - —
100 mesh, bgs., ex dock...ton.27.50 - —
120 mesh, bgs., ex dock...ton.30.00 - —
Wormseed, American, bgs.....lb. .10 - .11
Levant, bgs.....lb. 5.00 - 6.75
Wormwood, bls.....lb. .09 - .10

## X

Xylol (xylene), indus., dms., works..gal. .21 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
Xylol (xylene) indust., dms., W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration, dms., works....gal. .42 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
10°, dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .50

## Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls. 1 ton works, frt. alld.lb .45

## Urea—Yellow Oxide

Yellow, cadmium, smaller lots, same basis...lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order .....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.27 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .03½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .06½- —
yellow, A, bbls., works...lb. .02½- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .03 - —
D, bbls., works.....lb. .0150- —
E, bbls., works.....lb. .01750- —
F, bbls., works.....lb. .02½- —
G, bbls., works.....lb. .02½- —
H, bbls., works.....lb. .03½- —
French, all shades, cks., c.l., ex dock Balto, Boston, N. Orleans, for import, lb. .02475- —
New York (f.o.b.)..lb. .03½- —
Philadelphia for import..lb. .02½- —
ex dock, San Pedro, San Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .03375- —
New York .....lb. .03½- —
ex-dock Phila., for import..lb. .02½- —
Portland, Seattle...lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03½- —
New York.....lb. .07½- —
Pittsburgh .....lb. .03½- —
Portland, Seattle.....lb. .03½- —
San Pedro, S. Francisco..lb. .03½- —
f.o.b. N. Y., from dock, lb. .02½- —
from whse. .....lb. .02½- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04½- —
l.c.l. same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .04¾- —

—Continued on page 52

CERCON WAXES
Announce
NEW HIGH MELTING POINTS

★ Effective at once, Cercon Waxes will be available in two new melting points—155°/160° F. and 170°/175° F. These are in addition to the present 140°/145° F. Series. ★ These new series will include all the standard Cercon colors—Snowdrift, Lemon, Orange, Tangerine, Apricot, and Olive. ★ These increases in melting points widen the uses of these fine inexpensive waxes. We suggest that you write for a sample right now and find out if they cannot reduce your wax costs.

THE CONEWANGO REFINING CO.
WARREN, PENNSYLVANIA


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## Price-Boosting Is Unwise

If business has any idea that self-preservation deserves its consideration, it will be most cautious about pursuing farther the already alarming tendency to boost prices. In these days of plain manifestation of the influence of profit-seeking (as distinguished from the profit system as a system), when the law of supply and demand gets largely into the hands of dictators, it will be well that business, in buying, no less than in selling, most carefully evaluate all apparent demand and be not led to disaster by that which is economically unsound.

There is sound, logical reason for some advances in prices of some commodities at this time. Advances have already been made in other directions for which there is little reason, and none whatever for the extent to which some of them have been carried. If this trend continues in the direction and with the speed which many expect and more than a few will enthusiastically welcome, the results may be most unfortunate for business as a whole.

It must be admitted that, in taking advantage of conditions which are wholly atmospheric to boost prices, especially those of foodstuffs and related commodities of which there is a surplus supply, business not only manifests a penchant to sin against the public welfare by commission, but also confesses sins of omission through lack of self-control. What a weapon these sinnings furnish those already eager to seize upon the thinnest excuse to damn business to governmental control!

The War Resources Board is already watching price movements closely. The National Resources Committee had no better reason than can be found in price-boosting for its recent recommendation that the petroleum industry be governmentally controlled. There is no greater, no more valuable national resource than the purchasing power of the public, and the conservation of this resource has long been the professed objective of those who look upon business as a despoiler.

In these days of strong temptation business will do well to remember that "He who seeks equity must do equity," to recall what was said by, or at least of, William Penn:—

Justice is the foundation of liberty and must come before it.

## 'Business As Usual'

Inconsistency is often an encouraging sign of an open mind; more often it is a sign of a so-called "mind" that is open at both ends; that retains nothing from which it could learn and profit. In the latter category is that which is characteristic of that portion of business which is blindly grabbing for profits by unjustified boosting of prices, forgetting its recent sickbed desire and determination to sell itself to the public as something other than the monster which its enemies had painted.

This inconsistency may be explained with the fact that fear is as potent an influence as is greed in some business circles. There is no doubt that a substantial number of businessmen are fearful that their supplies of goods will be cut off or, at least, seriously reduced nobody knows how soon—and they, with deplorable short-sightedness, are determined to "make hay while the sun shines."

Undoubtedly there will be some interference with the normal flow of supplies of some goods which customarily are obtained from foreign countries. This eventuality was discernible a year ago and has constantly become clearer. Failure adequately to anticipate it may be attributed to procrastination, to short-sightedness, or to lack of capital—all these contribute all the time to all the problems of business. They are the foundation of the charges of those who vituperate business.

It is doubtful that the importation of necessary commodities into the United States will be curtailed as extensively as some apparently expect. There are exceptions, of course, and in respect of certain lines of goods, such as seasonal crops, anticipatory preparation was not possible. But, the Pacific Ocean provides a broad highway to American ports. Neutral European nations purpose to keep their shipping active and American ships have not yet been confined to their home ports. It may be necessary to dispense with the services of certain intermediate markets for necessary materials; but that should effect savings which will offset at least some of the extraordinary costs.

Business should do away with fears. Fear has kept business in subnormal health for many months. It should not now be permitted to bring on a collapse or a "fever" of high prices. The slogan, "Business as usual," is not wholly trite—and it has a broad significance when "business" is given the meaning of service for the public.

—O-P-D—

## Doctoring Distribution

Among the agenda for the coming annual meeting of the National Wholesale Druggists Association is the assisting of distributors to function better and to fare better. These objectives are correlative, but only in a certain degree. The term, "better," being wholly relative, its interpretation obviously depends on the point of view—and this can separate functioning and faring quite widely.

With the report of the Twentieth Century Fund committee on the cost of distribution still fresh in memory, it is clear that distribution is in need of a deal of doctoring. In many respects the indicated treatment will be most difficult to administer, and no less difficult to take. This is particularly true of the drug trade. Whether the N.W.D.A. clinic will attempt any of the doctoring suggested by the committee remains to be seen. Those who will participate in it (not as patients) will approach their task or duty from a number of angles and, perhaps, with a variety of views. It is probable, however, that the recommended treatment will be quite orthodox. Business in no line is yet ready for new methods, especially for such as require major operations.

It is an encouraging sign that a national organization of distributors has set out to examine distribution with diagnostic eyes and a purpose of finding some means of self-improvement. This undertaking is nothing new in the proceedings of distributors' associations or in their emphatically declared purposes. But, it will be new, in fact unique, if the contemplated clinic is conducted with an open mind with respect to ideas and an absence of preconceived decisions. There is a possibility that such will be the case.

The drug trade is burdened with more than its numerical share of the troubles of distribution in general. It has a specially high cost of sales promotion because of the extensiveness of competition in brands. Its distributors, both wholesale and retail, operate at reasonable costs, but so many of its commodities are the side lines of other distributors that the profits of wholesalers and retailers of drugs are far from colossal.

The National Wholesale Druggists Association has done much study and work—good work—with respect to the distribution problems of the drug trade. The motive, of course, has been largely a selfish one, for the maintenance of the middleman's position in commerce has steadily been growing more difficult. But, the selfishness has been of the enlightened sort, appreciative of the fact that the welfare of the wholesaler is inseparably joined with that of the producer and that of the retailer. It may be expected, then, that the coming N.W.D.A. clinic will develop something worth while in the way of doctoring for distribution.

—O-P-D—

## Better Taxing Not More

Circumstances wholly beyond its control may oblige the United States to take on new Federal expenditures. This might necessitate the increasing of the Federal income; but it might not provide more than an excuse for doing so, because the same circumstances might eliminate much of the unemployment which is now the cause of considerable costly governmental functioning and also do away with the subsidizing believed necessary to support agriculture in the style to which it has become or desires to become accustomed.

Whatever the eventual measure of governmental monetary needs—may the curtailment of these be assiduously sought—the present need is not, as so many view it, for more taxes, but for a better system of taxation, a simpler system that will do away with the multitude of taxes, both those which can be recognized and those which are hidden, and multiply many-fold as they pass to the ultimate payer.

It will not suffice, in the constructing of a better method of taxation, to attempt to shift the tax burden from business—business pays all taxes, because it provides the money with which everything is paid for. There can be no difference if the tax is on the producer or on the consumer; it is still cut from the money that business must have.

The only really better form of taxation is a single, universal, individual income tax that will be felt by all, particularly by those now under the delusion that they carry little, if any, of the Federal tax burden.

# CITRIC ACID

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# Heavy Chemicals

## Hostilities Abroad Bring About Activity and Price Confusion—Many Imported Materials Affected—Good Export Inquiry—Non-Ferrous Metals and Derivatives Score Advances

Considerable buying and confusion enveloped the market for heavy chemicals last week. The outbreak of hostilities in Europe brought a flurry of orders from all directions. Sellers were proceeding cautiously in most instances, however, endeavoring to supply normal contract and spot commitments, but guarding against undue speculation. Many consumers apparently became apprehensive because of low inventories and the desire to place orders before prices firmed. Contract prices for the final quarter were expected to be announced a little later in the month. Sellers were in receipt of export inquiries from all countries. A rush to buy imported materials absorbed spot stocks of many items and quotations were nominal or withdrawn entirely.

Metal prices fluctuated erratically, causing either withdrawal of quotations or sharp advances in metal derivatives. Blue vitriol scored a sharp advance in sympathy with the basic metal. Buying was brisk, and sellers later were not disposed to quote. Prices for copper carbonate, chloride, cyanide, nitrate and oxides of copper were withdrawn. Lead acetate and lead nitrate advanced. Antimony metal was firmer; oxide of antimony was higher. Nominal conditions prevailed in needle of antimony, with supplies at a very low level. No quotations were available for soda stannate, tin oxide, tin crystals, and stannous chloride of tin in view of the unsettlement in the Straits metal market. Anhydrous tetrachloride of tin was sharply advanced. The disturbed conditions in the tungsten market led sellers to withdraw quotations for tungstic acid, soda tungstate, tungsten metal powder and oxide.

Some specialties that were directly or indirectly influenced by conditions abroad were higher, including ammonia silicofluoride, barium fluoride, barium fluosilicate and magnesia silicofluoride. Soda silicofluoride was offered in limited quantities at higher levels. Supplies of many imported items were completely exhausted, quotations were withdrawn or made nominal. No prices were obtainable on imported potash chrome alum, sal ammoniac, caustic potash, glauber's salt, potash metabisulphite and potash cyanide.

**Alums.**—A good buying movement was underway in various alums last week. Quotations for ammonia, potash, alumina sulphate, commercial and iron free were firm. Conditions were unsettled in the market for potash-chrome alum and the market was nominal. During July Belgium shipped 184,322 pounds of alumina sulphate this country, valued at $1,924.

**Ammonia Aqua.**—Consumers were entering the market for satisfactory quantities, with less hesitation in making forward commitments noticeable than heretofore. Pricewise a firm tone prevailed.

**Ammonia Carbonate.**—Despite conditions abroad, imported material was available at the same levels. Domestic quotations were unaltered, and interest in the market was routine.

**Ammonia Perchlorate.**—The market was much firmer, however, stocks were available, and sellers were accepting business from regular consumers at the same levels.

**Ammonia Silicofluoride.** — Quotations for imported material were ½c. per pound higher, ranging from 9c. to 9½c. per pound according to quantity. Stocks were not very large, and demand was steady.

**Ammonia Sulfocyanide.**—No change occurred in prices although the market was in a strong position, and sellers were offering limited stocks to consumers at this time.

**Ammoniac, Sal.**—A firm tone characterized trading in this direction. The war abroad disrupted shipments of imported material, and prices were withdrawn. Domestic business was feeling the benefit of buying from regular channels, together with consumers who were switching to the domestic market.

**Antimony Metal.**—Buying in the metal was better last week, reflecting war time conditions, and quotations were advanced to the 12¼c. per pound basis.

**Antimony Needle.**—The market was nominal. Stocks were very limited, with only small orders accepted. Business was on a day to day basis. Some sales were made at 20c. per pound.

**Antimony Oxide.**—One factor advanced prices 1c. per pound, making car lots delivered 11c. per pound and less car lots, ex warehouse, 11½c. per pound. Buying interest was good.

**Arsenic.**—No price was available for the red material, with current stocks depleted. No change occurred in the market for the white, sellers were booking business at the same levels. Imports during July amounted to 4,059,375 pounds, valued at $65,314, of which 2,276,771 pounds came from Sweden and 1,439,978 pounds came from Mexico.

**Barium Salts.**—Prices for the fluoride were advanced 2½c. per pound to 14c., while fluosilicate was raised to the 16c. per pound level. Quotations for the hydrate and nitrate were nominal. No change occurred in the carbonate, chlorate, chloride, dioxide and oxide.

**Blue Vitriol.**—The 99 percent crystals were advanced 35c. per 100 pounds to the $4.60 basis in car lots, f.o.b. works, with the usual differentials for special sizes and small quantities. The monohydrated was 50c. per 100 pounds higher. Demand was brisk, but sellers were not disposed to quote even at the higher levels in view of the unsettled conditions in the copper market. Stocks in hands of sellers were rather limited.

**Carbon Bisulphide.**—Consumers entered the market for good size quantities during the past week. Inquiry for export purposes was reported as excellent. No change occurred in the prices and the tone of the market was firm.

**Chlorine.**—Interest in the market increased to some extent. Domestic consumers were making broader commitments as a rule. Inquiry from abroad was excellent, although shipments have not moved out as yet in any unusual volume. The market fully retained its firm position, and prices were the same.

**Cobalt Salts.**—Sellers were quoting the same prices for the acetate, carbonate hydrate and oxide. Stocks were adequate to supply current demand, but sellers were not inclined to book any new business. July imports of cobalt oxide totaled 22,050 pounds, valued at $29,606, of which 17,150 pounds came from France and 4,900 pounds from Germany.

**Copper.**—Much confusion was reported in the domestic copper market. Prices were advanced during the early part of the week to the 12½c. per pound level, based on active consumer and speculative buying. Some leading pro-

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Ammonia silicofluoride, ½c. per lb.
Antimony metal, ¼c. per lb.
oxide, 1c. per lb.
Barium fluoride, 2½c. per lb.
fluosilicate, 4½c. per lb.
Blue vitriol, 99 pc. cryst., 35c. per 100 lbs.
monohydrated, 50c. per 100 lbs.
Copper, electrolytic, 1½c. per lb.
Lead acetate, 1c. per lb.
nitrate, 1c. per lb.
Magnesia silicofluoride, ½c. per lb.
Soda silicofluoride, imp., ½c. per lb.
Straits tin, 6c. per lb.
tetrachloride, anhy., 5c. per lb.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **148.6** | **146.8** | **146.8** | **148.5** |

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **99.6** | **99.6** | **99.6** | **99.6** |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**

ducers were not quoting even at this figure. Later in the period the metal was obtainable for 12c. per pound. Because of the unsettled conditions in Europe no price was available in that market.

**Copper Salts.**—Sellers of copper derivatives withdrew quotations in view of the unsettlement in the copper market. Consequently, quotations for materials that usually reflect a sharp change in the metal such as carbonate, chloride, cyanide, nitrate and oxides of copper, were unavailable.

**Fluorspar.**—Quotations for the imported material were nominal. Prices for domestic grades were unchanged, but the tone of the market was much firmer. Buying interest was improved.

**Glauber's Salt.**—Prices for imported material were withdrawn. There were no further stocks, and possibility of future shipments were remote. Sellers were able to supply the demand in the domestic market, and spot and contract shipments were brisk.

**Lead Acetate.**—Price schedule was advanced 1c. per pound, in sympathy with the sharp increase in the basic metal. Quotations were now 11c. per pound for the broken and crystal, while the granular and powdered was 11¾c. per pound.

**Lead Nitrate.**—The market was 1c. per pound higher, quotations ranging from 11c. to 14c. per pound, according to quantity. The higher basic metal price was directly responsible for the firmer prices.

**Magnesia Silicofluoride.** — Quotations were fractionally higher at 10c. to 10½c. per pound. Demand was steady, and stocks were not believed to be plentiful at this time.

**Manganese Ore.**—The market was nominal. It was difficult to say what effect the war will have on the market later, but shipments were arriving from Russia and South America. Stocks were believed to be adequate to care for domestic requirements for the next several months at least.

**Nickel Salts.**—A firm tone prevailed in the market. Prices for the chloride, oxide and sulphate were unaltered. Demand was quite steady from most consuming channels, particularly the plating trade.

**Potash Carbonate.**—Consumers entered the market for moderate commitments, while there was no particular rush in buying orders, sellers could point to some stepping up in orders. Price schedules were in conformity with those prevailing previously.

**Potash Caustic.**—No prices were available for imported material last week. Sellers had no supplies, and future shipments were a matter of conjecture. Domestic supplies, however, were adequate to take care of the demand, and movement to most channels was proceeding along satisfactory lines. Prices ruled unchanged.

**Potash Chlorate.**—Sellers were supplying regular customers with moderate quantities, however, caution was used in fulfilling large commitments. No new business was booked at the present time. Prices were without change.

**Potash Cyanide.**—Stocks of material were exhausted, sellers had no supplies to offer and could not possibly quote. Future shipments from abroad were uncertain in view of the war.

**Potash Metabisulphite.** — The market was nominal. Transactions were subject to change from day to day, and limited quantities were reported in practically all quarters.

**Saltcake.**—Supplies of imported material will be greatly affected by the conflict in Europe. Sellers did not advance prices at this time, since most of the business is on contract basis. Stocks were believed adequate for the present. July imports totaled 10,507 tons, valued at $103,516, of which 8,979 tons came from Germany, 998 tons from Belgium, 432 tons from Canada, and 98 tons from Chile.

**Silver Cyanide.**—Sellers were not quoting any price schedule in view of the unsettlement in the world silver market. Quotations were on a day to day basis, subject to change with the fluctuations in the metal.

**Soda Ash.**—Interest in the market broadened last week. Orders from many domestic consumers were larger than usual, with some indications that inventories were being slightly bolstered. Inquiries for export were excellent, and shipments to South America and other countries was expected to pick up. Prices ruled unchanged.

**Soda Bicarbonate.**—A firmer price tone prevailed in the market. A steady buying movement was under way in practically all directions. The market experienced a good export inquiry.

**Soda, Caustic.**—Shipments to basic consuming industries were better last week. Many consumers, who were following a conservative purchasing policy, entered the market on a large scale. Shipments for export were good, and several inquiries reached sellers from many sections. Prices were steady to firm.

**Soda Chlorate.**—Domestic prices were without change. Some consumers attempted to place commitments in view of the situation abroad, which will no doubt limit exports, and bring about much firmer conditions in the domestic market. Imports during July totaled 1,098,300 pounds, valued at $39,123, all of which came from France.

**Soda Cyanide.**—Business was distinctly improved, partly reflecting activity in the automotive industry, and the desire of consumers to have adequate supplies in view of the unsettled conditions abroad. Imported material was available, and prices were unchanged. July imports totaled 3,135,694 pounds, valued at $269,242, of which 2,094,722 pounds came from Canada; 709,968 pounds from France and 263,704 pounds from Switzerland.

**Soda Phosphate.**—Shipments of various grades were moving at a steady pace in most directions last week. Domestic consumers were displaying a better interest, while inquiry from abroad was enhanced by the conflict in Europe. Prices were steady to firm.

**Soda Silicate.**—A moderately active buying interest was reported in the market during the past week. Sellers were receiving several inquiries for export. Price schedules were without alteration.

**Soda Silicofluoride.**—It was difficult to obtain a quotation for the imported material, most factors were without supplies, or stocks were limited. Some sales were made at the 4c. to 4½c. per pound level, but these were subject to changing conditions. Domestic prices were unaltered.

**Soda Stannate.**—No quotation was available in view of the sharp fluctuation in the Straits metal market last week. It was difficult to base a price on the metal, since the market was largely nominal.

**Strontium Salts.**—Sellers were quoting nominal prices for the carbonate and chloride, the market was unsettled and based on a day to day basis. No change was recorded in the nitrate.

**Tin Salts.**—With conditions unsettled in the European tin market, sellers were not disposed to quote prices on tin oxide, crystals and anhydrous stannous chloride of tin. Anhydrous tetrachloride of tin was advanced to 29c. per pound, with sellers booking limited business on this basis. Price for the Straits Metal ranged from 60c. to 65c. per pound, and the market was nominal.

**Tungsten.**—The market was in a state of confusion. In view of exiting conditions, sellers withdrew prices on all derivatives, including tungstic acid, soda tungstate, tungsten oxide and metal powder.

**Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7**

## Acids

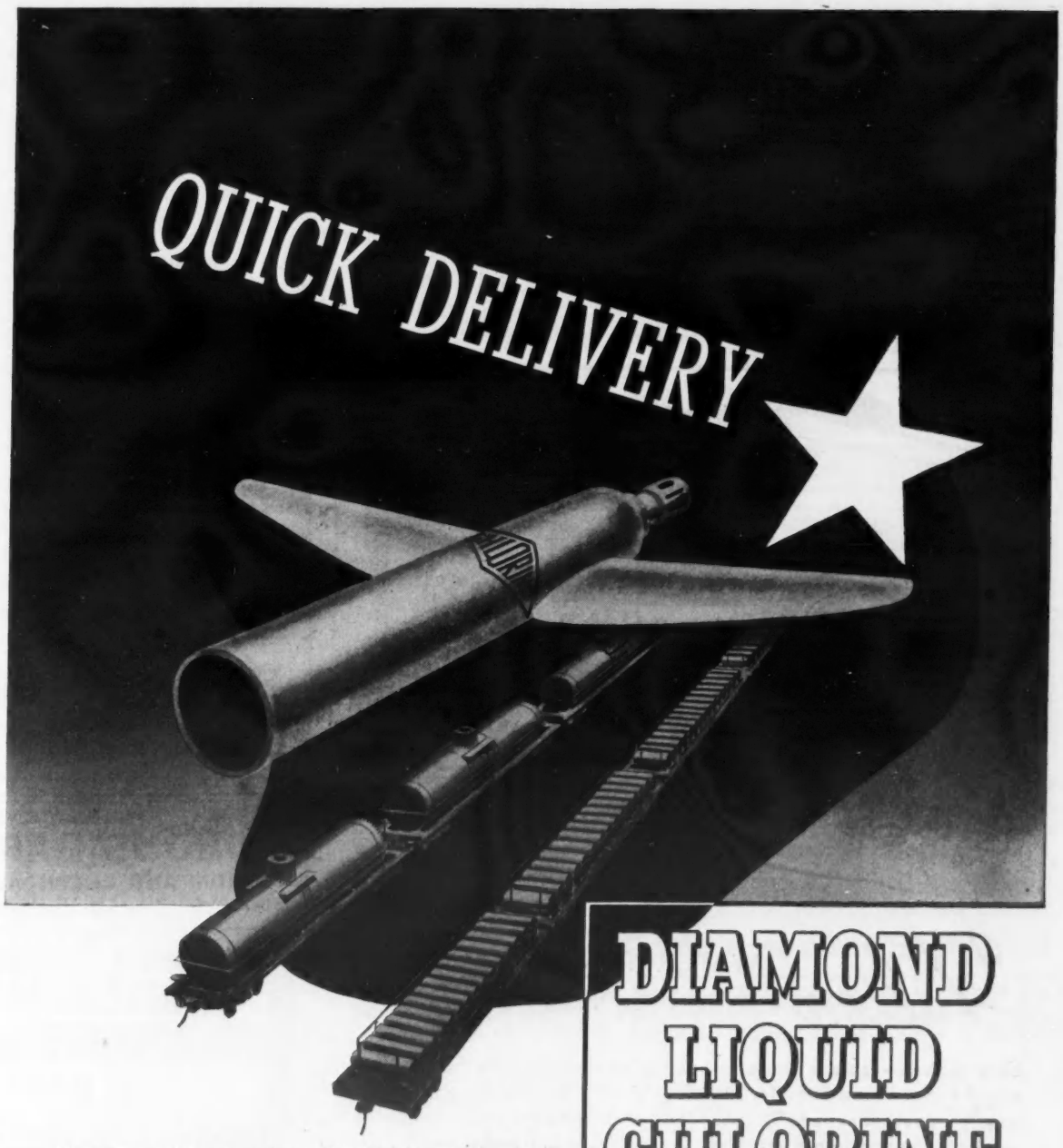
An improved buying interest was manifest in the market for various acids last week. The outbreak of war in Europe prompted many domestic consumers to broaden commitments, while buying was not particularly heavy, it was obvious that many considered the time opportune to purchase a little ahead in view of possible strengthening in the price structure. Inquiries reached the market from many sources abroad, and shipments to South America and other countries were expected to expand. Domestic prices underwent no change. Quotations for naphthenic were nominal in view of the uncertain conditions abroad and the difficulty in shipping. Unsettlement in the tungsten market caused withdrawal of prices for tungstic acid.

**Acetic.**—A more active interest was displayed in the market from various consuming channels last week. Prices were without change.

**Chromic.** — Prices were unchanged, and the tone of the market held firm. Shipments were moving at a satisfactory pace last week.

**Formic.**—Buying interest came chiefly from the textile and leather trade, and shipments were moving quite steadily. The tone of the market was steady to firm.

**Muriatic.** — Consumers entered the market for fair size quantities through-

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out the past week. A good export inquiry was also uncovered. Prices ruled firm.

**Naphthenic.**—In view of the unsettlement abroad quotations for various grades of imported material were nominal, transactions were subject to day-to-day costs in shipping and uncertainty of future arrivals.

**Nitric.**—Demand in the market was improved last week. Many consumers were making commitments on a broader scale. Price schedules were without change.

**Oxalic.**—A better inquiry was evident in this direction. Many consumers were expanding commitments in view of the prospect of firmer prices.

**Sulphuric.**—A firmer tone was evident in the market last week. Less hesitation to place commitments by major consumers was apparent, the conflict abroad caused some speculation as to the future trend of prices. While buying was not abnormally heavy, orders were entering the market much steadier than for some weeks. Price schedules were without alteration.

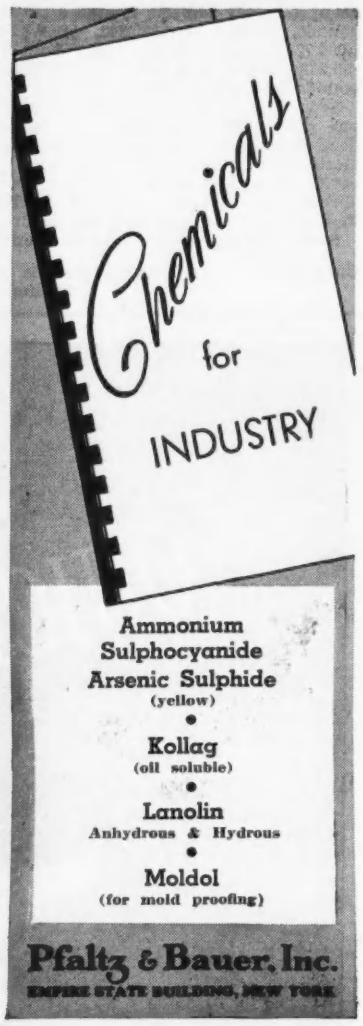
**Tungstic.**—Sellers were not making any definite quotations last week. Prices were withdrawn in view of the unsettlement in the world market for tungsten.

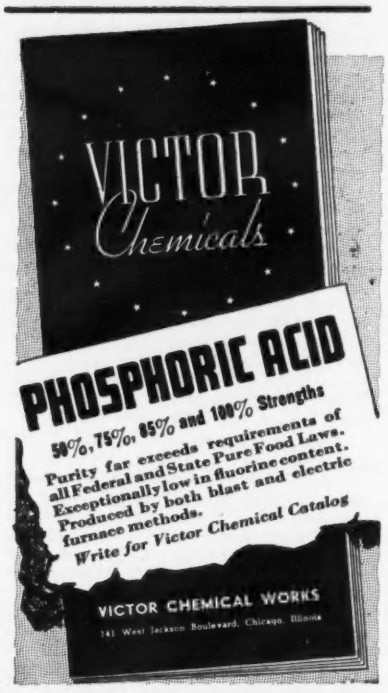
**Baltimore,** Sept. 6.—So far producers of sulphuric acid have made no changes in their nominal quotations, which stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid, both pyrites and brimstone. The market, however, is stated to have taken on a firmer tone, with indications that a positive marking up of the figures may be made sooner or later, with the war resulting in some increase in the cost of acid-making materials and with various other commodities being bullishly affected by the dislocations which the conflict may cause. Oleum also is characterized by a closer concentration upon conditions in the market, with the figure so far adhered to still around $17 per ton.

## Insecticides

Demand for agricultural insecticides and fungicides was without much feature last week. Domestic shipments were confined to small quantities in practically all instances. Most of the transactions were in the export market, where a good movement of material was underway to South America and other countries. The outbreak of hostilities in Europe may further broaden ex-

*—Continued on page 32*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# Dyestuffs, Textile and Leather Chemicals

**Corn Derivatives Sharply Advanced—Egg Products Higher—Raw Tanning Material and Extract Quotations Withdrawn—Sago and Tapioca Flour Firmer—Turmeric Nominal**

Buying was active and prices were higher in the market for dyestuffs, leather and textile chemicals last week. The effects of the war in Europe were reflected in rush buying by many consumers who were caught with low inventories, and prospects of higher prices. Most fluctuations on the upside were brought about by increased raw material prices, while the uncertainty of replacement costs on a number of imported items caused sellers to completely withdraw quotations.

Advances in sizing materials exceeded any other division of the market. Tanners corn sugar, dextrin and starch quotations were sharply advanced to conform with the increased corn prices. Buying was very heavy, with consumers hastening to cover at present levels. Domestic and imported egg albumen and egg yolk were up on increased demand and higher prices for eggs. Sago and tapioca flour were firmer, with buying active from all sources. Potato starch was fractionally higher. Imported quotations for potato dextrin, rice and wheat starch were nominal.

Raw tanning material and extract prices were not available. Sellers were bombarded with inquiries and orders, but were unable to name any quotations for replacement business. The situation will remain on this basis until costs of shipping among other factors can be worked out. Plantation gambier was nominal, with spot stocks very limited. Natural dyestuffs were more active, consumers were endeavoring to buy ahead. Quotations for Turmeric Alleppy and Madras were nominal. Supplies of archil, cochineal, fustic, logwood and annatto were available for immediate delivery, but prices were very firm.

## Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Albumen egg, dom., 4c. per lb.
imported, 2c. per lb.
Corn sugar, tanners, 30c. per 100 lbs.
Dextrin, corn, 30c. per 100 lbs.
Egg yolk, 1c. per lb.
Gambier, plantation, 1¼c. per lb.
Sago flour, 1c. per lb.
Starch, corn, 30c. per 100 lbs.
potato, ½c. per lb.
Sumac, ext., stainless, ½c. per lb.
Tapioca flour, ½c. per lb.
Zinc dust, 1¼c. per lb.

**Reduced**

None

## Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **139.8** | **134.4** | **134.1** | **150.0** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Chemicals

**Alumina Chloride.**—A more active interest was reported in the market from most sources during the past week. Prices ruled unchanged and a steady to firm tone prevailed.

**Potash Bichromate.** — Shipments were moving against contracts at a faster pace, with many consumers placing commitments on a larger scale. Prices were firm.

**Soda Bichromate.** — Some forward buying by major factors was uncovered in the market, with many endeavoring to replenish inventories in view of the firmer price tone. Export business was good, and several inquiries reached the market from various countries. July exports aggregated 1,031,867 pounds, valued at $58,312, of which 537,600 pounds went to the United Kingdom; 150,016 pounds to Newfoundland and Labrador and 88,051 pounds to Egypt.

**Soda Prussiate.**—A firmer price tone characterized trading in this direction, and a better demand was evident from many directions. Prices were without change. July imports totaled 133,831 pounds, valued at $7,598, of which 44,092 pounds came from Belgium; 44,655 pounds from the Netherlands and 45,831 pounds from Japan.

**Zinc Dust.**—The spurt in the basic metal lifted quotations 1¼c. per pound, making car lots 8c. per pound and less car lots 8½c. per pound. A better buying interest was reported earlier in the week when prices started to advance.

## Dyestuffs

**Annatto.**—Some indication of forward buying was reported, sellers has sufficient material on hand to meet the demand. Prices were firm, but unchanged.

**Archil.**—Prices were firm. Interest in the market was better, and sellers had material available to offer immediate delivery.

**Cochineal.**—No change occurred in the quotations. Buying was improved, with some consumers endeavoring to cover at present levels.

**Fustic.**—A good demand was evident, especially from the leather trade. Sellers were meeting all commitments at present price levels.

**Logwood.**—Sellers could point to improved buying from many quarters, with many replacement orders made to cover beyond immediate needs. Prices ruled the same, and the tone of the market was firm.

**Turmeric.**—The market for the Alleppy root and Madras was nominal. Sellers had limited supplies and were cautious in filling all orders at present levels in view of the probable increase in replacement costs.

## Sizing Materials

**Albumen, Egg.** — Domestic quotations were advanced 4c. per pound and imported prices were 2c. per pound higher. Domestic crystal was quoted at 62c. to 65c. per pound, while the powdered ranged from 67c. to 70c. per pound. Some imported material was available at 65c. to 67c. per pound ,although stocks were limited. Demand was generally better.

**Corn Sugar.**—Prices were 30c. per 100 pounds higher last week. Quotations follow:—Chipped, bags, carlots, delivered, $3.34 per 100 pounds; slabs, barrels, carlots, same basis, $3.26, and solid, barrels, carlots, $3.34 per 100 pounds. The fluctuations in the corn market put quotations on a day-to-day basis.

**Dextrin.**—Quotations for British gum, canary and white grades were 30c. per 100 pounds higher, reflecting the advance in the corn market. Buying was active in practically all directions. Quotations for imported potato dextrin were nominal at 7⅜c. per pound.

**Egg Yolk.**—Quotations were advanced 1c. per pound, making domestic material 60c. to 63c. per pound, while imported material was 56c. to 57c. per pound. Demand was quite broad.

**Sago Flour.**—The market was nominal at 3½c. to 4½c. per pound. Stocks of material were not heavy, and sellers were quoting to regular customers for limited quantities, subject to changing conditions.

**Starch.**—Various grades of corn starch were 30c. per 100 pounds higher. The sharp rise in corn prices placed the market on a day-to-day basis. Potato starch was ½c. higher at 4½c. to 5½c. per pound. Imported quotations were nominal at 6c. per pound. Rice starch was nominal at 7¼c. per pound, while wheat thickboil was nominal at 6c. per pound.

**Tapioca Flour.**—Quotations were advanced ½c. per pound, ranging from 4c. to 4½c. per pound. Business was excellent, with many consumers rushing to cover at present levels.

## Tanning Materials

**Cutch.**—No prices were available, sellers have withdrawn quotations tem-

—*Continued on page 31*

**Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7**

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# Coaltar Chemicals

## Imported Cresylic Acid Advanced Sharply—No Offerings of Crude Naphthalene From Abroad—Toluol Stocks Depleted—Coaltar Colors Firm — Intermediates Taken Steadily

The immediate effects of the war in Europe was reflected in a sharp advance for imported cresylic acid in the market for coaltar chemicals last week. Offerings of imported crude naphthalene were nil, and quotations were unavailable. In the domestic market toluol stood out as a firm feature, current stocks were depleted, and orders were not being booked ahead. Demand for domestic materials expanded in some instances, particularly in items that would feel the effects of developments abroad. Sellers, however, were exercising caution, filling contract commitments of regular consumers in such cases. Domestic quotations were generally maintained at the same levels, but the tone of the market was firmer.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Acid, cresylic, imported, 15c. per gal.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 125.2 | 125.2 | 125.2 | 125.9 |

Market news that may have developed after this report was sent to press will be found on page 4.

A brisk demand for imported cresylic acid soon absorbed most of the available supplies. Quotations advanced rapidly, and in the absence of any spot stocks of consequence, and the uncertainty of future shipments, quotations were nominal. Business booked for future delivery was subject to numerous conditions regarding delivery, costs of shipping and insurance rates. Inquiry for domestic acids was much better, however, sellers were not disposed to accept all business, supplying regular contract commitments as a rule. Offerings of imported crude naphthalene completely dried up, much confusion existed in the market regarding the possibility of future shipments. No quotations were available under the circumstances.

Toluol easily stood out as the feature in coaltar solvents, present supplies were about depleted. Production for the remainder of the month was sold ahead. Sellers were not inclined to book forward business, because it was impossible to guarantee shipments. Benzol production and demand held at an even pace, with shipments usually made promptly; much the same situation existed in xylol. Export inquiry for benzol was good, but not a great deal of material was available for this purpose. Creosote oil failed to show any particular change as the result of conditions abroad, subsequent developments will have to be awaited. Domestic shipments of phenol were regarded as satisfactory. Some export inquiries reached the market, but so far no sizable movement was disclosed.

A better movement of coaltar colors was disclosed in many quarters. Buying by the textile industry was a factor. Conditions abroad were expected to limit imports, and to broaden exports. Demand for intermediates remained normal. Anilin, nitrobenzene, dimethylanilin and phthalic anhydride were all taken steadily. Shipments of coaltar acids were fairly steady. Fumaric and maleic were moderately active. Shipments of picric to belligerent countries was banned under the neutrality act invoked recently.

### Basic Products

**Benzol.**—Demand continued to keep pace with production last week. Domestic consumers entered the market for sufficient quantities to keep stocks of material from accumulating. The recent gains in output enabled sellers to provide prompt deliveries in the majority of instances. As far as could be learned current production was about sold up for the remainder of the month. The war in Europe naturally provided an excellent inquiry from this source. However, domestic consumers were not offering a great deal of material for export, favoring domestic consumers in virtually all instances. Quotations were unchanged, and the tone of the market was one of firmness. July exports amounted to only 34,735 gallons, valued at $7,862, of which 17,909 gallons went to Argentina; 13,595 gallons to Cuba and 2,781 gallons to Canada. Imports during July aggregated 39,858 gallons, valued at $4,882, all of which came from Canada. Operations in the steel industry were scheduled at 58.6 percent of capacity last week, according to the American Iron and Steel Institute, a decline of 7 percent from the two-year high mark of 63 percent of the preceding period. The decrease reflected the Labor Day shut-down, and not a reduction in production.

**Coaltar.**—Movement of crude and refined material was without particular feature, and dealings were routine. Price schedules were well sustained. July exports totaled 505,764 gallons, valued at $28,508, of which 495,998 gallons were shipped to Canada.

**Creosote Oil.**—Developments abroad had no immediate reflection in the market. Domestic shipments were moving fairly steady to major consuming channels and were adequate at present to meet the demand. Whether delay or cessation of shipments from abroad will later affect the market remains to be seen. Prices were steady to firm. July imports were 5,689,746 gallons, valued at $681,156, of which 1,060,584 gallons came from Russia; 958,170 gallons from Japan; 933,672 gallons from Germany; 2,317,320 gallons from the United Kingdom; 340,554 gallons from Belgium and 79,446 gallons from Canada.

**Cresol.**—A steady buying interest was manifest in most grades of material by various consumers last week. The call from the synthetic resin trade was regarded as quite satisfactory. Pricewise a steady to firm tone governed the dealings.

**Cresylic Acid.**—The outbreak of hostilities in Europe caused quite a change in the market for the imported material. A buying flurry practically absorbed all the available stocks and prices continued to advance. Sales were made at 65c. per gallon, compared with 50c. late in the preceding period. However, the market was regarded as nominal, and business was on a day to day basis, subject to the changing conditions. Importers were at loss to say how much material would be shipped from abroad, or the length of time required for future shipments. Domestic acid was in much better demand, however, sellers were proceeding with caution, supplying contract customers at regular scheduled prices. Imports during July amounted to 140,798 gallons, valued at $53,115, of which 135,258 gallons came from the United Kingdom and 5,540 gallons from Germany.

**Naphthalene.** — Considerable confusion centered around the situation in Europe. There were no offerings of imported material from abroad, and no quotations were available. Importers could not throw any light on whether there will be any shipments, and if so, how shipments will be made or the length of time required for delivery. Naturally, this directed attention to domestic material, although regular consumers needs were receiving preference. July imports aggregated 4,332,596 pounds, valued at $43,964, of which 1,410,613 pounds came from Germany; 1,558,652 pounds from Russia; 815,462 pounds from the United Kingdom and 547,869 pounds from the Netherlands.

**Phenol.**—Shipments to chemical processors, pharmaceutical and synthetic resin trade provided the market with a good demand, while other miscellaneous consumers also entered the market steadily. No immediate effects were felt as yet in the export market as the result of the European conflict. Some inquiries reached the market, but

**Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7**

these did not materialize in any sizable orders. July exports amounted to 2,119 pounds, valued at $385.

**Pitch, Coaltar.**—Transactions in the market continued along routine lines last week. Price schedules were fully maintained at previous levels, and the tone of the market was firm. July exports totaled 555 tons, valued at $9,300, of which 346 tons went to Canada and 139 tons to France.

**Tar Acid Oils.**—No new developments of importance entered the market. Consumers were making moderate purchases as a rule, and quotations were in line with those established previously.

**Toluol.** — Present stocks of material were exhausted. Sellers in many instances refused to book orders in addition to regular commitments because current production was not sufficient to guarantee shipment. September output was sold ahead, and what the situation will be the following month was a matter of conjecture. Sellers were endeavoring to provide domestic consumers needs, while export business was not considered. Prices were without change, but the tone of the market was very firm.

**Xylol.** — Demand from the surface coating trade was adequate to keep the market in a firm position. Little or no excess material was evident. Prices were well maintained.

### Chicago Coaltar Bases

A brisk demand is reported in the coaltar bases, but prices are holding unchanged. Sellers report that buying up to date is largely of a routine nature, with buyers willing to take about regular amounts, but not to extend themselves. However, some possibility of advances a little later in certain selected materials is seen. Benzol buying is fair. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13c. to 14c.

## Coaltar Acids

**Anthranilic.**—Activity was not especially broad, consumers usually placed commitments for modest quantities. Quotations for the refined and technical were unchanged.

**Broenner's.**—No new developments of consequence entered the market. Trading was about routine, with prices displaying a steady to firm tone.

**Cleve's.**—Shipments were moving at at fair pace throughout the past week. Quotations were in conformity with those prevailing previously.

**Fumaric.**—Major consumers pursued a moderate purchasing policy for the most part. Quotations were unchanged and the tone of the market was firm.

**Maleic.**—Spot and contract withdrawals were along satisfactory lines in most directions during the past week. No change was disclosed in the quotations.

**Picric.**—Shipments to belligerent countries was banned under the recently invoked neutrality act. Demand in the domestic market was about normal, and price held unchanged.

**Succinic.**—A steady to firm price tone characterized the trading. Business was usually restricted to nearby production requirements.

*—Continued on page 32*

### Carolina Aniline Names Wheeler, Hall Dep't Heads

The Carolina Aniline & Extract Company, Charlotte, N. C., of which G. S. McCarty is president, recently added to its sales staff E. B. Wheeler and Thomas J. Hall. Mr. Wheeler is heading the newly formed department specializing in all chemical phases of silk and rayon coaking, and Mr. Hall is head of the department devoted to piece goods dyeing and bleaching and finishing.

### Glyco Catalog Issued

"Chemicals by Glyco," a comprehensive catalog of specialty chemicals covering emulsifying agents, glycol and glyceryl esters, synthetic waxes, synthetic resins, plasticizers and flexibilizers, has just been revised. In addition to the suggested formulas and useful tables contained therein, the Glyco company has included a complete index of materials classified according to industry. Copies of the catalog may be obtained by writing the company at 148 Lafayette street, New York, mentioning the REPORTER.

# Dyestuffs, Textile, Leather Chemicals

## Tanning Materials

*—Continued from page 29*

porarily until conditions regarding replacement costs could be determined.

**Gambier.**—Quotations for the common and Singapore cubes were unavailable. Stocks of these materials were exhausted and future supplies uncertain. The plantation was nominal 9¼c. per pound, with only limited amount of spot stocks.

**Mangrove Bark.**—Sellers were unable to quote on the fibrous and non-fibrous material, and quotations were withdrawn entirely.

**Myrobalans.**—No prices were reported in the market for various myrobalans or extracts. Sellers temporarily withdrew quotations to determine future costs.

**Quebracho.**—Quotations for the liquid, solid and clarified were withdrawn. No price was obtainable until replacement costs could be worked out.

**Sumac.**—Prices were withdrawn for the ground and leaf material. No quotations were made for the 42 and 52 degree extracts. The stainless material was 1c. per pound higher, ranging from 7½c. to 9½c. per pound.

**Valonia.**—No prices were made for the beards, cups and extract. Sellers temporarily withdrew quotations until future costs of material could be worked out.

**Wattle Bark.**—Quotations for the African bark and extract were not available, with sellers refusing to quote until the situation became more clarified.

### General Plastics Stockholders Approve Merger Proposal

Stockholders of General Plastics, Inc., manufacturers of "Durez" phenolic molding compound and resins, North Tonawanda, N. Y., on August 30 approved the proposal of the directors to consolidate the corporation into a new company to be known as Durez Plastics & Chemicals, Inc. The corporation started operation under the new name on September 1.

## *Chemicals Embargoed Under Neutrality Act*

*—Continued from page 3*

Bromomethylethyl ketone
Carbonyl chloride (phosgene)
Chlorovinyldichloroarsin (lewisite)
Cyanogen chloride
Dibromodimethyl ether
Dichlorodimethyl ether
Dichlorodivinylchloroarsin (lewisite)
Dichloroethyl sulphide (mustard gas)
Diphenylaminochloroarsin
Diphenylchloroarsin
Diphenylcyanoarsin
Ethyl bromoacetate
Ethyl iodoacetate
Ethyldibromoarsin
Ethyldichloroarsin
Hexanitrodiphenylamine
Methyldichloroarsin
Monochloromethyl chloroformate (palite)
Nitrocellulose having a nitrogen content of more than 12 percent
Pentaerythritol tetranitrate (pentrite)
Phenyldibromoarsin
Phenyldichloroarsin
Picric acid
Potash nitrate powders
Soda nitrate powders
Tetranitromethylanilin (tetryl)
Tetranitronaphthalene
Trichloromethyl chloroformate (diphosgene)
Trimethylenetetranitroamine (hexagon or T4)
Trinitroanisol
Trinitronaphthalene
Trinitrophenylmethylnitroamine (tetryl)
Trinitroxylene

The President's fundamental proclamation of the neutrality of the United States declares the existing state of war to affect Australia, France, Germany, India, New Zealand, Poland, and the United Kingdom. Canada is not included. All embargoes apply with respect to sales or shipments of goods to the designated belligerent countries.

The fundamental proclamation sets up conditions which ships of war of the several belligerents are required to observe in taking on supplies in United States ports. The supplies affected include fuel oil and lubricants.

**American Thread Company,** Jersey City, has sold its Stonington, Conn., plant to a syndicate of local men.

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KOPPERS COMPANY PITTSBURGH PENNA.

# Coaltar Chemicals

—*Continued from page 31*

## Other Intermediates

**Alphanaphthol.**—The market failed to change a great deal from previous trading periods, with small quantities usually making up the call. No change was disclosed in the quotations.

**Anilin.**—Dyestuffs manufacturers entered the market for fair size quantities throughout the past week. Quotations were maintained at previous levels.

**Betanaphthylamine.**—Fair interest was manifest in the market for the technical material. No change occurred in the prices.

**Dimethylanilin.**—A moderately active demand was uncovered from most sources last week. Pricewise a steady to firm tone predominated.

**Dinitrochlorobenzene.**—Firmness prevailed in the market. Usual consumers entered the market for necessary replacements last week.

**Dinitrotoluene.**—Transactions in the market were routine, with little indications that consumers were broadening purchases at this time. Prices ruled unchanged.

**Nitrobenzene.**—Shipments were moving against contracts at a normal pace. Sellers were adhering to quotations in force previously.

**Orthonitrotoluene.**—Prices were maintained at the same levels. Interest in the market was reported as satisfactory for moderate quantities.

**Paranitroanilin.**—Sellers could point to steady buying by practically all consumers, although quantities were mostly limited to nearby needs. Prices were without alteration.

**Phthalic Anhydride.**—Demand from the synthetic resin and plastic trade provided the market with adequate support last week. Shipments were moving against contracts in comparatively good volume. Prices were steady to firm.

**Schaeffer's Salt.**—The market lacked any particular feature. Transactions were strictly routine, and prices were unchanged.

**Toludin Base.**—A firm tone prevailed in the market last week. Shipments were usually made up of modest quantities, but the call was steady.

**Xylidin, Mixed.**—A routine interest was reported in the market. Prices were unaltered, and the tone of the market was firm.

## Coaltar Colors

Business in various coaltar colors was somewhat better last week. Many consumers that were holding back came into the market for fair size quantities. The war in Europe was expected to stimulate textile activity and other consuming lines. Aside from this imports from abroad would be restricted, while export markets were expected to broaden. While no immediate changes in prices materialized, the tone of the market was considerably firmer. Exports of coaltar colors, dyes and stains during July amounted to 798,234 pounds, valued at $345,089, of which 368,395 pounds went to China; 186,412 pounds to Canada and 50,000 pounds to Belgium. July imports totaled 189,921 pounds, valued at $285,677, of which 119,525 pounds came from Switzerland; 48,606 pounds from Germany; 12,265 pounds from France and 5,977 pounds from the United Kingdom.

### Chemical Salesmen to Hold Final Golf Outing Sept. 19

The Salesmen's Association of the American Chemical Industry will hold its final golf tournament of the season at the Pomonok Country Club, Pomonok, L. I., September 19. Dinner will follow the golf tournament, with the awarding of prizes followed by a floor show. Philip J. LoBue, of Joseph Turner & Co., chairman of the entertainment committee of the association, stated reservations thus far point to a record turnout of the industry.

**Bump pumps** are fast, but this paper made them exceed the speed limit in the descriptive article printed in last week's issue. The capacities of these pumps (manufactured by the Bump Pump Company, La Crosse, Wis.) is from 100 gallons to 6,000 gallons an hour—not "per minute."

# Heavy Chemicals

## Insecticides

—*Continued from page 28*

ports from this country. In general, weather conditions in the Southern cotton states was favorable, according to the government weekly weather report. However, conditions in the Central states were less favorable. The market lacked any price developments, but a firmer tone was reported for lead arsenate, reflecting higher raw material costs.

**Calcium Arsenate.**—Domestic business was at seasonal levels, transactions were without particular significance last week. Conditions in the cotton belt continue favorable for the most part. Price schedules were without alteration.

**Lead Arsenate.**—A firm price tone prevailed in the market, reflecting to some extent the firming in the basic metal. However, prices ruled the same. The heavy season for domestic consumption has passed, shipments for export were reported as good.

**Paris Green.**—There was no particular feature to the trading in this direction throughout the past week. Small quantities usually provided the call. Pricewise a steady to firm tone predominated.

## Nuodex Co. Promotes Minich, Johnson, Allen

Nuodex Manufacturing Company, Elizabeth, N. J., has elected Arthur Minich, vice-president in charge of manufacturing, and Harold M. Johnson, vice-president in charge of sales. Robert Allen has been named chief chemist, having formerly been supervisor of the paint service laboratory.

Mr. Minich, who was the first chemist employed by Nuodex in 1931 to assist in the development of driers which the company put on the market in June, 1932, has grown with the company in a number of successive steps. He became chief chemist, then plant manager, then secretary of the company.

Mr. Johnson, who for a number of years was vice-president of Beck-Koller & Co. in charge of Eastern sales, was engaged by Nuodex about a year ago to study the practical problems of grinding in the field as a preliminary to the plant testing and introduction of 'Nuade.' Mr. Johnson has been promoted to the position of vice-president in charge of sales for its entire line. Dr. C. A. Knauss, who became connected with the company in 1934 in this capacity is no longer with the company.

### Canada Producing Barytes

The production of barytes in Canada was resumed in 1939 by a concern known by the name of Canada Baryte Mines, Limited, which was organized November, 1938, by a recent option on a mine and mill of the Canada Night Hawk Mines, Ltd., located 400 miles north of Toronto, near South Porcupine, Ontario, according to the American consulate general in Toronto. Barytes production was first developed in this mine in 1933, when 60 tons of barytes was produced before the plant closed. This year 300 tons of barytes has been mined, and the company claims to have available a large body of easily accessible ore which will be adequate for domestic consumption.

## A.B. Hall Retires From National Lead

A. B. Hall, manager of the metal department of National Lead Company, this city, has retired following fifty years' service with the company. He is succeeded by Ernest R. Dondorf, formerly assistant manager.

Mr. Hall began with the company as a runner in 1889 and became manager of the metal department in 1907, a position he held until his retirement. During his career he served as president of the old New York Metal Exchange, during 1913-1916, and since has been a director of that exchange and its successor organizations, including the present Commodity Exchange. He has also been president of the American Tin Trade Association during ten out of the eleven years of its existence.

Mr. Dondorf started as office boy with a subsidiary, the United Lead Company, in 1906. Passing through the bookkeeping department he was put in charge of the export department in 1916. He became assistant secretary of the company in 1924. In 1928, when the United Lead Company was amalgamated with the parent company, he was transferred to serve under Mr. Hall.

The company also announced that J. P. Borda, former assistant general manager at the Magnus office in Chicago, has been appointed assistant general manager and comptroller of the Magnus Metal Division, New York. He succeeds W. V. Burley, who was recently appointed manager of the company's St. Louis branch.

Another appointment was that of A. D. Sargent to succeed J. G. Roth as comptroller of the St. Louis office. Mr. Sargent was formerly auditor of the branch. W. H. Hawley is the new assistant comptroller, replacing J. R. Higgins, who has been promoted to assistant manager.

In the Evans Lead Division of the company, Charleston, W. Va., C. A. Rogers has been named comptroller to replace J. A. Stratton. The latter goes to a post in the sales department.

**Tile conduit** for underground steam or hot water lines under the trade name of Adsco-Bannon tile conduit is described in detail in a new twelve-page illustrated bulletin No. 35-67B. Also, included in the bulletin is data on "Adsco" cast-iron conduit for reinforcing steam lines under roadways and on "Adsco-Fiberglas" insulation for the thermal insulation of underground lines. A copy of the bulletin may be obtained by addressing the American District Steam Company, North Tonawanda, N. Y.

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# Paint, Varnish, Lacquer Materials

**Heavy Demand Causes Sharp Price Advances—Pig Lead Very High —Quicksilver Vermilion, Lead Oxides, Casein, Varnish Gums and Mercuric Oxide Also Up**

Demand for practically every paint material was brisk last week and in several instances sellers were either unable or unwilling to meet orders. The war had a favorable effect on domestic materials but tended to paint a gloomy outlook for future deliveries of imported products.

Revisions were frequent. Pig lead quotations were sharply up and as a result lead oxides made similar advances. The replacement market for natural gums was boosted to effect more than sixty type gums. Quicksilver vermilion quotations shot upward and threatened to go higher later in the week or early this week. Technical mercuric oxide was similarly advanced due to a mercury increase. Spot prices on certain types of stearates and palmitates sought higher ground. Casein prices were higher. On top of those revisions, suppliers found consumers eager to stock up on all materials. The demand was undoubtedly due to the fear that the war would interfere with shipments, or that it would bring about higher prices in the near future. Thus buyers were anxious to cover immediately.

Rosin and turpentine were more active in Southern and local markets during the period under review, the increase in demand for the former commodity being reported as rather pronounced at times. The tendency of some grades of rosin was upward. Receipts in primary centers held up well, weather conditions being favorable for production and marketing, but daily offerings continued light.

## Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Barytes, Ital., grd., $2 to $4 per ton.
Casein, dom., dvld., ½c. per lb.
Lead, pig, dom., $9 per ton
red, dry, ½c. per lb.
Litharge, comml. powd., ½c. per lb.
Orange mineral, Amer., ½c. per lb.
Red, mercuric oxide, 20c. per lb.
quicksilver vermilion, 35c. to 47c. per lb.
Rosin, gum, 5c. to 60c. per 280 lbs.
Turpentine, gum, ½c. per gal.
Varnish gums, c. c., ½c. to 2c. per lb.

**Reduced**

None

## Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 131.2 | 131.2 | 131.2 | 131.2 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Metallic Lead and Zinc

A hectic demand for lead and zinc appeared in the market early last week causing major supplies to boost lead prices $4 per ton. Later in the week due to a continuance of the demand, the price was boosted another $5 per ton. Zinc was advanced a total of 1.25c. The demand for both metals was very heavy in the early days of the week. It was stated that ten times the amount could have been sold on Wednesday. Producers were turning down some orders, placing them on the waiting list until they could be taken care of later in the week. Most of the sales were for October delivery, September shipments being all booked. Meanwhile, the London situation was in turmoil, with the metal exchange closed throughout the period under review. No indication was given as to when London will resume trading. For the fourth successive month supplies of lead in the domestic market decreased, with the drop in July totaling 4,683 tons to a total on hand August 1 of 211,298 tons. Stocks of zinc in the United States at the end of August amounted to 122,814 tons, compared with 131,782 at the close of July. Zinc shipments last month amounted to 49,928 tons, compared with 43,128 in July. Production was 40,960 tons, against 39,669.

**Lead.**—Prevailing spot prices at New York, East St. Louis and London for the period from Sept. 2 to Sept. 8, inclusive, were as follows:—

| | Pigs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0505@.0510 | $0.0490 | ..* .. .. |
| Monday | ....@....† | ..... | .. .. .. |
| Tuesday | .0525@.0530 | .0510 | .. .. .. |
| Wednesday | .0530@.0530 | .0510 | .. .. .. |
| Thursday | .0550@.0550 | .0535 | .. .. .. |
| Friday | .0550@.0550 | .0535 | .. .. .. |

* London exchange closed.
† Holiday.

**Zinc.**—Prevailing spot prices at New York, East St. Louis and London for the period from Sept. 2 to Sept. 8, inclusive, were as follows:—

| | Slabs | | |
|---|---|---|---|
| | Per pound | | Spot. London. Per ton |
| | New York. | E. St. Louis. | £ s. d. |
| Saturday | $0.0515 | $0.0475 | 14 16 3 |
| Monday | .....† | ..... | ..* .. .. |
| Tuesday | .0590 | .0550 | .. .. .. |
| Wednesday | .0640 | .0600 | .. .. .. |
| Thursday | .0640 | .0600 | .. .. .. |
| Friday | .0640 | .0600 | .. .. .. |

* London exchange closed.
† Holiday.

## Pigments

Sharp advances in the price of pig lead were followed by automatic increases in the quotations for red lead, litharge and orange mineral. The advances came on successive days during the past week and were prompted by the pig lead jumps. Zinc oxides and titanium pigments were relatively calm although they underwent an abnormal increase in demand, similar to the leaded materials.

**Litharge.**—Following the hiking of pig lead quotations, prices for various lots of this material were advanced ¼c. per pound on last Tuesday and another ¼c. on the next day. Twenty tons or more of the commercial powdered material were advanced the ½c. to new levels of .0685c. to .0710c. per pound, depending upon delivery point. Five tons or more, delivered, were quoted at 7¼c. to 8c. per pound. Smaller lots delivered were quoted at 7¾c. to 8½c. per pound. There was a heavy demand both before and after the price advances and several quarters indicated that should this demand continue prices would be upped further.

**Lithopone.**—The market was relatively quiet although there was a noticeable increase in demand for spot delivery. This was undoubtedly caused by the fear that prices would rise as a result of the European situation. The demand was not heavy enough, however, to bring about an increase in quotations.

**Red Lead.**—Similar to litharge, this pigment was advanced a total of ½c. per pound during the week as a result of the pig lead increases. New quotations for 95 percent or less $Pb_3O_4$ material were .0810c. to .0835c. per pound for car lots, 8½c. to 9¼c. per pound for five tons or more up to car lots, and 9c. to 9½c. per pound for smaller lots. New prices for 97 percent or less $Pb_3O_4$ material were .0835c. to .0860c. per pound for car lots, 8¾c. to 9½c. per pound for five tons or more, and 9¼c. to 10c. per pound for smaller lots. The 98 percent $Pb_3O_4$ material was quoted at .0860c. to .0885c. for car lots, 9¼c. to 9¾c. per pound for five tons or more, and 9c. to 10¼c. per pound for smaller lots. For a complete breakdown of prices for various grades, refer to current market quotations beginning on page 7. The demand during the week was very heavy and major suppliers were somewhat pressed to fulfill orders promptly. Should the call for material continue strongly there is a distinct possibility that quotations would again be advanced.

**Orange Mineral.**—A total advance of ½c. per pound was the feature of the market, coupled with an abnormally

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Of especial significance because of its ability to body other oils besides China wood oil—
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heavy demand for this time of year. The new quotation for delivery of five tons or more of the material was 10¾c. per pound, while smaller lots were quoted at 11¼c. to 12c. per pound. In line with other leaded materials these new quotations were very strong due to the continued appearance of a heavy demand in the market for spot delivery.

**Titanium Pigments.**—Unlike some of the other pigments the market here was fairly steady with no prices changed. There was a good demand, possibly better than expected at this time of year, but orders were met without difficulty. Major suppliers could not predict whether or not prices would advance in the near future. This possibility was expressed as likely because many of the chemicals used in the manufacture of titaniums were showing strength. Should they advance, these pigments would follow.

**White Lead.**—The pig lead advances did not influence current quotations on this pigment. Demand was heavier but producers and suppliers were able to fill spot orders promptly.

**Zinc Oxides.**—A strong jump in demand featured the market here during the past week. Despite the call for stocks, producers failed to advance prices. The outlook for the future was uncertain and few quarters would even venture a guess as to what might happen to the market this week.

## Fillers and Extenders

The market for inert pigments and extender products was in an uncertain state last week, a direct result of the outbreak of hostilities. In many cases major suppliers withdrew quotations on imported materials due to the lack of knowledge of what they should or will be in the near future. Orders were being accepted on a basis that imported material will be delivered, if possible, at the best price to consumers.

**Barytes.**—The domestic market was showing little change although demand for immediate delivery was more noticeable. The market for imported barytes was unsteady, however, due to the war. Crude Cuban material was still being shipped although in no greater quantity. The German product was believed withdrawn from the market but whether or not Germany will be able to resume shipments through some neutral port seemed doubtful. The principal imported stocks came from Italy and the proper price for that material, delivered, had not been decided upon late last week. War risk insurance, a probable increase in freight rates and many other factors will have to be considered before definite quotations can be made. Meanwhile, stocks of Italian barytes were in heavy demand here and suppliers who had such stocks on hand increased the price sharply. The advance ranged $2 to $4 per ton for car lots of the graund material in barrels, bringing the new price to $31.50 to $33.50. Less than car lots were sold at $34.50 to $36.50 per ton, ex warehouse.

**China Clay.**—The domestic market was a bit stronger although no prices were advanced. The imported market was in an uncertain state and, similar to barytes suppliers, importers of this product were unable to decide what the proper quotations should be.

**Talc.**—Importers of the French material found their stocks in this country somewhat low and the possibility of getting further supplies, in enough quantity, doubtful. Importers of Italian talc were in a similar predicament and few sellers cared to mention quotations until they had more time to investigate present conditions.

## Varnish Gums

The replacement market for natural gums underwent drastic changes last week due to the hostilities abroad. Ad-

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Methyl Violet Toners
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Toluidine Toners
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Permanent Orange Toners
Pyrotone Red Toners
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vances were made on more than 60 types of gums, the advance ranging from ⅛c. to 2c. per pound. Importers were uncertain regarding the future of the varnish gum market due to the number of factors to be considered. Whether or not steady shipments from abroad will be available, and at what prices gums will be quoted at this week, was an uncertain matter.

**Copals.**—New quotations were as follows for Congo gums:—No. 1, 36½c. per pound; No. 2, 28⅛c.; No. 3, 18⅝c.; No. 4, 19¼c.; No. 5, 15c.; No. 6, 15⅝c.; No. 7, 12½c.; No. 8, 12c.; No. 9, 8⅞c.; No. 10, 9⅞c.; No. 11, 7⅝c.; No. 12, 7c.; No. 13, 6¼c.; No. 14, 16½c.; No. 15, 7⅜c.; No. 16, 5⅞c.; No. 17, 15c.; No. 18, 12½c.; No. 19, 11¾c.; No. 20, 8⅞c.; No. 21, 7⅜c.; No. 22, 6⅝c.; No. 23, 6¾c.; No. 24, 13½c.; No. 25, 6¾c.; No. 26, 6½c.; No. 27, 6⅛c., and No. 28, 4¾c. The pale Hiroe gums were quoted as follows:—Bold, 12c. per pound; nubs, 10⅛c.; and chips, 5⅞c. Manila Boeas quotations were:—Amber and dark, 14¼c. per pound; light, 14½c.; Loba A, 11c.; Loba B, 10¾c.; Loba C, 10⅜c.; Loba D, 8⅞c.; Loba DK, 6¾c.; Loba CNE, 7c.; Loba dust, 5¾c.; Loba CBB, 8¾c.; Loba DBB, 8½c.; Loba WS, 8½c.; Loba MA, 6¾c.; Loba MB, 6¼c; Singapore Manila gum prices are as follows:—Dust, 5¾c.; bold pale scraped, 12c.; bold pale nubs, 11⅜c.; bold pale chips, 9¾c.; small pale chips, 7⅞c.; extra pale bold sorts, 9¼c.; amber bold sorts, 7⅛c.; and seeds and dust, 6¾c. Prices are for car lot quantities.

**Dammars.**—Prices quoted on Batavia gum last week were as follows:—A, 21c. per pound; A/D, 13½c.; A/E, 12c.; B, 19½c.; C, 14¼c.; D, 13c.; dust, 5⅞c.; E, 7⅞c.; and F, 7¾c. All prices are for car lot quantities.

**Elemi.**—Car lots of this type gum were quoted at 10⅛c. per pound.

## Synthetic Resins

There was an exceptionally heavy demand in the market for ester gum last week, one that kept both sellers and buyers active. There were enough stocks to meet all orders and for this reason prices were held at the previous level. Another reason for the failure to advance prices was the comparative steadiness of the rosin and glycerin markets.

## Dry Colors

With the exception of quicksilver vermilion and technical mercuric oxide prices for earth and chemical colors were not revised during the past week. The market for dry colors was very uncertain, however. Major producers admitted that the present conflict abroad is bound to affect prices in the near future. On top of that, a heavy demand for all colors appeared last week and although this demand was easily supplied from present stocks, these stocks will run low if the call for shipment does not let up. Imported colors were shaky.

**Carbon Black.**—Tire manufacturers called for satisfactory amounts of material keeping the market at the high level it has held for several months. The price was firm.

**Mercuric Oxide.**—A rise in the price of mercury prompted a sharp advance of 20c. per pound in the price of the technical grade color. Major producers were quoting $1.76 per pound in midweek.

**Vermilion.**—The quicksilver material failed to change automatically with the metal due to the extreme fluctuations of the latter. However, the color price made sharp advances, until late in the week major producers were quoting $2 per pound for 500 pounds or more of the material; $2.05 per pound for 100-500 pounds; and $2.09 for less than 100 pounds. All prices are f.o.b. New York. There was a very heavy call for immediate shipment and producers' stocks were low. In many cases suppliers were forced to restrict the purchases of their customers. Further advances were predicted late last week or early this week.

## Driers

The spot demand for all types of stearates, palmitates and other materials in this division of the raw paint field was very heavy last week due to the fear that stocks might be hard to obtain in the future. As a result of the demand, the spot price was advanced ½c. to 2c. per pound. Contract prices, as quoted in the REPORTER, were unchanged. Contract prices for the last quarter of this year were not decided upon late last week. Suppliers were hesitant to offer quotations for contract of stearates, in particular, due to the uncertainty of the tallow market and the consequent uncertainty of the market for stearic acid. The latter was up 2c. late last week.

## Naval Stores

Southern and local markets for rosin and turpentine were more active last week, buying interest being stimulated by the European war news and by the course of various other commodities in this country. The great activity at rising prices in the market for securities was also not without some effect. In the case of rosin, business was reported in some instances as considerably more active, not only in the South but also here. Users of rosin in various important industries were in evidence as buyers. In some lines, supplies in the hands of consumers had apparently been allowed to fall to unusually low levels. The export inquiry was slow, although reports were current at times of occasional inquiries from South America and the Far East.

In primary centers the undertone continued to be reported as firm. Scarcity of certain grades of rosin was still noted, the proportion of these descriptions in the daily receipts being abnormally small. Offerings of rosin and turpentine in the Savannah and Jacksonville markets from day to day continued light. Weather conditions in many sections were favorable for production and marketing operations and the movement from the woods to the seaboard markets held up well.

**Turpentine.**—The local market was more active. Purchasing was still generally along conservative lines, but the call for moderate lots showed an increase as compared with recent preceding weeks. The market had a firmer tone. Stocks in London on September 8 were 17,164 barrels.

SAVANNAH, Sept. 8.—Turpentine was fairly active with the tone of the market steady. Following is a record of the market for the week:—

| | Cents per gal. | Barrels Sales. | Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|---|---|
| Saturday | * | .. | .. | .. | ..... |
| Monday | * | .. | .. | .. | ..... |
| Tuesday | 24 | 153 | 421 | 158 | 26,610 |
| Wednesday | 24 | 54 | 353 | 10 | 26,953 |
| Thursday | 24¼ | 73 | 628 | 98 | 27,483 |
| Friday | 24½ | 110 | 180 | 224 | 27,439 |

* No trading.

JACKSONVILLE, Sept. 8.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

| | Cents per gal. | Barrels Sales. | Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|---|---|
| Saturday | * | .. | .. | .. | ..... |
| Monday | * | .. | .. | .. | ..... |
| Tuesday | 23¾ | .. | 387 | .. | 52,419 |
| Wednesday | 23¾ | .. | 170 | 1 | 52,588 |
| Thursday | 23¾ | ... | 145 | 3 | 52,730 |
| Friday | 23¾ | ... | 158 | 2 | 52,886 |

* No trading.

PENSACOLA, Sept. 2.—Turpentine was quiet. Following is a record of the market for the week:—

| | Barrels Re-ceipts. | Ship-ments. | Stocks. |
|---|---|---|---|
| Monday | 48 | 102 | 22,038 |
| Tuesday | 167 | 121 | 22,084 |
| Wednesday | 37 | ... | 22,121 |
| Thursday | 64 | ... | 22,185 |
| Friday | 62 | 162 | 22,583 |

CHICAGO, Sept. 8.—Turpentine quiet. Ruling prices at the close of business last night were:—Five-drum lots, 32c. per gallon; five wood barrels, 35c.; single drums, 35c.; single barrels, 40c.

**Rosin.**—The local market was firmer, advances being recorded in some grades in company with the course of quotations in primary centers where sales were reported as showing a considerable increase. The local market was also more active, buying interest being stimulated by the war news from Europe and by the course of various other products here.

SAVANNAH, Sept. 8.—The undertone of the rosin market was firm. Following is a record of the market for the week:—

| | Price per unit—Low of range quoted *Sat. | *Mon. | Tues. | Wed. | Thurs. | Fri. |
|---|---|---|---|---|---|---|
| B | ... | ... | $3.90 | $3.90 | $3.90 | $3.90 |
| D | ... | ... | 3.90 | 3.90 | 3.90 | 3.90 |
| E | ... | ... | 4.00 | 4.05 | 4.05 | 4.05 |
| F | ... | ... | 4.30 | 4.40 | 4.40 | 4.40 |
| G | ... | ... | 4.50 | 4.55 | 4.55 | 4.55 |
| H | ... | ... | 5.02½ | 5.12½ | 5.25 | 5.35 |
| I | ... | ... | 5.07½ | 5.15 | 5.40 | 5.60 |
| K | ... | ... | 5.07½ | 5.20 | 5.40 | 5.60 |
| M | ... | ... | 5.07½ | 5.22½ | 5.40 | 5.60 |
| N | ... | ... | 5.17½ | 5.25 | 5.45 | 5.65 |
| WG | ... | ... | 5.62½ | 5.65 | 5.75 | 5.85 |
| WW | ... | ... | 6.07½ | 6.10 | 6.25 | 6.25 |
| X | ... | ... | 6.07½ | 6.10 | 6.25 | 6.25 |
| | | | Barrels | | | |
| Sales | ... | ... | 565 | 562 | 316 | 186 |
| Receipts | ... | ... | 1,223 | 1,006 | 1,238 | 686 |
| Shipments | ... | ... | 2,032 | 10 | 174 | 182 |
| Stocks:— | ... | ... | 286,619 | 287,615 | 288,679 | 289,183 |

* No trading.

JACKSONVILLE, Sept. 8.—Rosin offerings continue light. The market had a

**Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7**

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firm undertone. Following is a record of the market for the week:—

| | Price per unit—Low of range quoted | | | | | |
|---|---|---|---|---|---|---|
| | *Sat. | *Mon. | Tues. | Wed. | Thurs. | Fri. |
| B | ... | ... | $3.35 | $3.35 | $3.35 | $3.35 |
| D | ... | ... | 3.85 | 3.85 | 3.85 | 3.85 |
| E | ... | ... | 4.15 | 4.15 | 4.15 | 4.15 |
| F | ... | ... | 4.45 | 4.45 | 4.45 | 4.45 |
| G | ... | ... | 4.50 | 4.50 | 4.50 | 4.50 |
| H | ... | ... | 4.90 | 4.90 | 4.90 | 4.90 |
| I | ... | ... | 4.95 | 4.95 | 4.95 | 4.95 |
| K | ... | ... | 4.95 | 4.95 | 4.95 | 4.95 |
| M | ... | ... | 4.95 | 4.95 | 4.95 | 4.95 |
| N | ... | ... | 5.05 | 5.05 | 5.05 | 5.05 |
| WG | ... | ... | 5.55 | 5.55 | 5.55 | 5.55 |
| WW | ... | ... | 6.00 | 6.00 | 6.00 | 6.00 |
| X | ... | ... | 6.00 | 6.00 | 6.00 | 6.00 |
| | Barrels | | | | | |
| Sales | ... | ... | 152 | ... | ... | ... |
| Receipts | ... | ... | 1,767 | 1,101 | 583 | 673 |
| Shipments | ... | ... | 135 | ... | 3 | 370 |
| Stocks:— | | | | | | |
| | ... | ... | 322,952 | 324,503 | 324,638 | 324,936 |

* No trading.

PENSACOLA, Sept. 2.—The rosin market was steady. Following is a record of the market for the week:—

| | Barrels | | | | | |
|---|---|---|---|---|---|---|
| | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
| Receipts | 175 | 526 | 193 | 134 | 243 | ... |
| Shipments | 2,258 | 300 | ... | ... | 9 | ... |
| Stocks | 64,215 | 64,441 | 64,634 | 65,768 | 65,002 | ... |

CHICAGO, Sept. 8.—The rosin trade as a whole seems to be watching the situation closely and there is a somewhat strong undertone. Ruling prices at the close of business last night were:—B grade, $6.90 per lot of 280 pounds; G grade, $7.50; M grade, $8.07½; W.W. grade, $9.07½.

**Pine Oil.**—A firm tone continued to prevail in the local market. An increase was noted in the volume of inquiries received although actual business still appeared to be of a conservative character.

**Pitch.**—Business continued along conservative lines, with the inquiry for small or moderate quantities reported as somewhat larger. The market retained a steady tone.

**Rosin Oil.**—Quotations were generally maintained, with the tone of the market firm. No broadening of trade was reported, but there was some increase in the call for moderate lots.

**Tar.**—The market here was more active to the extent that inquiries were received more numerously. Quotations were stationary and the tone of the market appeared to be firm.

## Shellac

Shellac prices were nominal last week. Quotations on bonedry shellac were withdrawn since manufacturers were unable to establish definite replacement cost of raw material because of the uncertainty of ocean freight and war risk insurance rates. T.N. and superfine were fully worth 12c. and 13c. per pound respectively and transactions actually took place at 11½c. per pound. However, any quote on any grade of shellac was purely nominal at the end of the week. No cables were received from London; the last price cabled to this market came on 36s. per hundredweight for October and 37s. for December, both nominal. Calcutta was a difficult market to report and the best that could be made out of the situation last week shaped up as follows, being, however, always nominal prices.

**London,** Sept. 8.—Prices quoted on London standard T.N. shellac, basis of sterling exchange at $4.88, were as follows:—

| | Per pound— Sept. 8. | Sept. 1. |
|---|---|---|
| September | 11c. | 9½c. |

Day-to-day quotations were as follows:—

| | Per pound. |
|---|---|
| September 1 | 9½c. |
| September 2 | 10c. |
| September 4 | 10½c. |
| September 5 | 10¾c. |
| September 6 | 11c. |
| September 7 | 11c. |
| September 8 | 11c. |

## Lacquer Materials

Demand for lacquer materials and solvents displayed some broadening last week. With the outlook promising for increased production schedules coupled with the desire to keep inventories at reasonable levels in view of the possible strengthening in prices, many consumers were less hesitant in placing orders. An increased inquiry was disclosed for export purposes, while a number of materials were already moving abroad in good volume. No price changes were uncovered, however, in a short time seller will announce price schedules for the final quarter. Although the holiday interrupted automobile schedules, production on new models was expected to bolster production for the next several weeks.

**Acetone.**—Firmness continued to prevail in the market last week. A good movement of material to domestic channels was evident, while inquiry and shipments for export were excellent. July exports totaled 1,229,025 pounds, valued at $621,695, of which 355,470 pounds went to Japan; 298,900 pounds to Belgium; 172,076 pounds to the Netherlands; 158,354 pounds to the United Kingdom and 141,325 pounds to Australia.

**Butyl Acetate.**—A better buying interest was reported in this direction, with some good size replacement orders making their appearance last week. A steady to firm price tone predominated. July exports were 621,695 pounds, valued at $46,361, of which 304,776 pounds went to the United Kingdom and 124,695 pounds to Australia.

**Cellulose Acetate.**—Shipments were moving to important consuming channels at a steady pace, with volume slightly better than recent weeks. Prices were without change.

**Dibutyl Phthalate.**—The plastic and lacquer trade were making satisfactory commitments throughout the past week. Pricewise a steady to firm tone governed the dealings.

**Isopropyl Acetate.**—Consumers were showing less hesitation in placing orders during the past week. Sellers were adhering to quotations in force previously.

**Tricresyl Phosphate.**—No change occurred in the prices, but a firmer tone was evident. Sellers could point to an active buying interest for moderate quantities.

## Glues and Binders

**Casein.**—The demand for several weeks had been at a high level but during the period under review it was much heavier than any of the previous weeks. Major suppliers advanced prices on both domestic meshes ½c. per pound as a result of this demand. The new quotations were:—20-30 mesh in car lots, delivered, 13c. to 13½c. per pound; 14½c. to 15c. per pound for five tons or more, and 16c. to 16¼c. per pound for smaller lots. The 80-100 mesh material was offered as follows:—13½c. to 14c. per pound for car lots; 15c. to 15½c. per pound for five tons or more, and 16½c. to 16¾c. per pound for smaller lots. Stocks were rather low and further advances were looked for. Argentine material was scarce and suppliers who had stocks on hand were undecided as to the proper price.

**Glues.**—Sales continued heavy during the week as customers moved to cover their immediate needs. Orders were being taken for prompt shipment but sellers were indisposed to take on future commitments. Prices were unchanged but were showing strength.

---

**Socony-Vacuum Oil Company** will spend approximately $30,000 making alterations to offices and executives' dining room at 26 Broadway.

**F. J. Shirley,** superintendent of the Sayreville, N. J., titanium plant of the National Lead Company, this city, is in Europe to visit similar plants in England and on the continent. He returns about October 1.

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## Sturmer Heads Newark Sherwin-Williams Plant

Carl Sturmer has been appointed general superintendent of the Newark, N. J., plant of the Sherwin-Williams Company, Cleveland. He succeeds G. L. Hehl, who has been named Eastern manager of the new industrial specialization program of the company.

This new specialization program in the important products finishing field will be carried out by a technically trained field staff under G. A. Robinson at Cleveland. The purpose of the program is to enable the regular representatives to devote more time to the upkeep and maintenance business in their territories; and in the case of trade salesmen, will enable them to devote more time to dealer and painter work.

In addition to Mr. Hehl, whose territory will take in the North and South Atlantic districts and New England, H. S. Sherman, formerly of the company's technical service, will head similar work in the North Central and South Central districts, and Lyman Weber, will have charge of the program in Western, Southwestern and Mississippi valley districts.

In line with the specialization program, the company has also set up a division to concentrate on graphic art finishes. E. W. Windsor will be in charge of this work, assisted by E. B. F. Fitch and Bert Zahn. George E. Smith has been placed in charge of Eastern automotive sales, with headquarters in Philadelphia.

## U.S. Revenue Returns Show Decrease in July

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for July, 1939, compared with July, 1938, as follows:—

**Taxes Collected**

| | July 1939. | July 1938. |
|---|---|---|
| Coconut, etc., oils, processed | $2,173,778.54 | $1,959,195.19 |
| Distilled spirits, domestic, excise tax $2.25 per gallon. | 16,179,526.68 | 16,762,590.34 |
| Distilled spirits, imported, excise tax $2.45 per gallon. | 1,392,472.28 | 1,537,303.80 |
| Gasoline | 20,880,572.00 | 16,264,420.73 |
| Lubricating oils | 2,798,133.41 | 4,784,067.44 |
| Matches | 137.22 | 70,096.73 |
| Narcotics, including special taxes | 133,384.84 | 135,019.16 |
| Oleomargarin, excise taxes | 50,989.76 | 69,160.10 |
| Oleomargarin, special taxes | 636,940.17 | 697,164.51 |
| Toilet preparations | 678,024.19 | 772,110.50 |
| Transportation of oil by pipeline | 942,360.61 | 726,412.68 |
| Total Internal revenue | $300,090,746.40 | $350,425,767.13 |

**Quantities Taxed**

| | July 1939. | July 1938. |
|---|---|---|
| Distilled spirits, domestic tax gallons | 7,366,215 | 7,519,620 |
| Distilled spirits, imported, tax gallons | 663,085 | 719,544 |
| Distilled spirits, rectified, proof gallons | 2,100,197 | 2,213,342 |
| Oleomargarin, colored, pounds | 19,905,764 | 26,792,600 |
| Oleomargarin, uncolored | 10,822 | 20,370 |

**E. L. Eliot,** of the Titanium Pigment Corporation, this city, who has been in the company's paint service laboratory for two years, has been appointed to the active sales staff to contact accounts in this city and Northern New Jersey.

## *Naval Stores Statistical Reports*

*—Continued from page 5*

**Summary of Turpentine Carryover**

*(Stocks of United States and London)*

Barrels of 50 gallons

| | 1939 Gum. | 1939 Wood. | 1938 Gum. | 1938 Wood. | 1937 Gum. | 1937 Wood. |
|---|---|---|---|---|---|---|
| Southern primary points | 238,868 | 19,916 | 135,593 | 23,988 | 133,887 | 26,085 |
| Northern distributing points | 22,724 | 15,807 | 27,883 | 14,855 | 21,192 | 11,411 |
| Industrial plants | 11,066 | 5,942 | 10,730 | 5,725 | 20,013 | 10,776 |
| London, at and afloat | 25,050 | ..... | 30,715 | ..... | 21,300 | ..... |
| Totals | 297,708 | 41,665 | 204,921 | 44,568 | 196,392 | 48,272 |
| Carryover, March 31 | 339,373 | | 249,489 | | 244,664 | |
| Carryover, April 1 | 249,489 | | 244,664 | | 239,652 | |
| Increase | 89,884 | | 4,825 | | 5,012 | |
| Decrease | ..... | | ..... | | ..... | |

**Details of Rosin Carryover**

*(Stocks at close of naval stores season, March 31)*

Barrels of 500 pounds gross

| | 1939 Gum. | 1939 Wood. | 1938 Gum. | 1938 Wood. | 1937 Gum. | 1937 Wood. |
|---|---|---|---|---|---|---|
| Gum primary points— | | | | | | |
| Gum stills | 137,597 | ..... | 211,545 | ..... | 50,847 | ..... |
| Savannah | 281,882 | ..... | 67,039 | ..... | 43,033 | ..... |
| Jacksonville | 261,099 | ..... | 57,656 | ..... | 47,299 | ..... |
| Pensacola | 65,107 | ..... | 13,661 | ..... | 18,001 | ..... |
| Other Southern ports | 242,716 | ..... | 61,689 | ..... | 72,436 | ..... |
| Interior yards | 201,685 | ..... | 10,545 | ..... | 33,364 | ..... |
| Totals | 1,190,086 | ..... | 422,135 | ..... | 265,580 | ..... |
| Wood plants— | | | | | | |
| Steam-distilled | ..... | 152,042 | ..... | 162,572 | ..... | 47,059 |
| Sulphate | ..... | 5,201 | ..... | 4,400 | ..... | ..... |
| Destructive distilled | ..... | ..... | ..... | ..... | ..... | ..... |
| Totals | ..... | 157,243 | ..... | 166,972 | ..... | 47,059 |
| Northern distributing points— | | | | | | |
| Eastern | 3,989 | 5,461 | 3,808 | 8,307 | *9,867 | *1,474 |
| Central | 6,081 | 2,615 | 9,104 | 5,132 | *7,333 | *1,096 |
| Western | 513 | 518 | 729 | 4,803 | *1,025 | *154 |
| Totals | 10,583 | 8,594 | 13,641 | 18,242 | *18,225 | *2,724 |
| Industrial plants | 198,445 | 57,009 | 329,804 | 48,583 | *256,470 | *44,301 |

* Only the "Total" rosin stocks at these points were given in the 1936-37 report. The segregated figures given above are "estimated," based on the segregated gum and wood figures given in the 1937-38 annual report. The estimated division of the 1937 total figures reported is:—Gum, 86.6 per cent, and wood, 14.4 percent.

**Summary of Rosin Carryover**

*(Total stock in United States)*

Barrels of 500 pounds gross

| | 1939 Gum. | 1939 Wood. | 1938 Gum. | 1938 Wood. | 1937 Gum. | 1937 Wood. |
|---|---|---|---|---|---|---|
| Southern primary points | 1,190,086 | 157,243 | 422,135 | 166,972 | 265,580 | 47,059 |
| Northern distributing points | 10,583 | 8,594 | 13,641 | 18,242 | 18,225 | 2,724 |
| Industrial plants | 198,455 | 57,009 | 329,804 | 48,553 | 296,470 | 44,301 |
| Totals | 1,399,124 | 222,846 | 765,580 | 233,767 | 580,275 | 94,084 |
| U. S. carryover, March 31 | 1,621,970 | | 999,347 | | 674,359 | |
| U. S. Carryover, April 1 | 999,347 | | 674,359 | | 765,807 | |
| Increase | 622,625 | | 324,988 | | ..... | |
| Decrease | ..... | | ..... | | 91,448 | |

## Propellair, Inc., Distributing Catalog on Its Fans

Propellair, Inc., Springfield, Ohio, is distributing a catalog of its line of fans and ventilators. The catalog discusses the number of industrial problems solved by the use of the company's products, such as supplying clean tempered air to paint spray rooms; giving more rapid and evenly distributed circulation in drying ovens and dry kilns; and recovering waste heat for use in other departments.

The catalog advises that every Propellair fan size and rating has been carefully tested and rated for performance from free air to no discharge condition on the standard test code equipment and by the method stated in the standard test code for axial fans adopted jointly by the American Society of Heating and Ventilating Engineers, the National Association of Fan Manufacturers and the Propeller Fan Manufacturers Association. The catalog describes the company's various fans as well as giving rating table for the "CD" type of fan. Copies of the catalog may be obtained from the company by mentioning the REPORTER.

## Distillers Co. Acquires Interest in B.X. Plastics

*London, Sept. 6, 1939*

The Distillers Company, Ltd., has acquired a 50 percent interest in B. X. Plastics, Ltd., a wholly owned subsidiary of the British Xylonite Company. At present B. X. Plastics, Ltd., has a capital of £450,000 in £1 ordinary shares and a general reserve of £200,000. Under the arrangements part of the reserve will be utilized to pay up 150,000 6 percent preference £1 shares, which will be issued to the British Xylonite Company, and 50,000 of the 450,000 ordinary shares now held by British Xylonite will be converted into 6 percent preference shares. Half of the remaining ordinary shares will then be sold to the Distillers Company for £400,000. The preference shares will not carry voting power, so that control of B. X. Plastics will be shared equally by Distillers and the British Xylonite Company.

**George P. Krug** has resigned as comptroller and a director of the Certain-teed Products Coporation, this city.

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## German By-Product Nitrogen Yield Increased in 1938

*OPD Washington Bureau*
*September 7, 1939*

The German Ammonia Sales Association, Ltd., Bochum, in which the synthetic and coke-oven byproduct nitrogen output of the Ruhr district is incorporated, recently reported total sales of nitrogen by the German Nitrogen Syndicate in the domestic market, excluding Austria, in the business year 1937-38 amounted to 611,071 metric tons of nitrogen, a gain of 11 percent over the preceding year, according to advices received at the Department of Commerce. Under the influence of especially favorable market conditions, the syndicate's export sales increased 12 percent compared with 1936-37. Sales by the Ruhr synthetic plants, after recording a notable gain from 53,802 tons of nitrogen in 1935-36 to 63,113 in 1936-37, fell off in 1937-38 to 61,440 metric tons.

Sales of byproduct ammonium sulphate by Ruhr coke-oven operators organized in the "Coke-Oven Association," affiliated with the above mentioned "German Ammonia Sales Association," increased in 1937-38 to 103,518 tons nitogen as compared with 98,555 in the previous year, and 84,341 metric tons in 1935-36.

For the first time in 1937-38, plants producing synthetic gasoline from coal furnished an output of ammonium sulphate, producing the small amount of 503 metric tons of nitrogen included in the total figure of 103,518 tons. The Ruhr synthetic gasoline plants were incorporated within the Coke Oven Association and a production quota allotted to them corresponding to their actual output of ammonium sulphate.

**Oil and gas pipeline** rights-of-way over the public domain are subject to an annual rental charge of $5 per mile, according to regulations issued August 12 by the Secretary of the Interior. These rents are due February 1 and payable within sixty days on penalty of revocation or a cancellation.

## Paint, Varnish, Lacquer Sales Up

The value of paint, varnish, lacquer and fillers sold in July, as reported by 680 establishments to the Bureau of Census, was $30,758,617. Details of sales reported by these establishments and comparative data for 1938 follow:—

| | | —Classified sales reported by 580 establishments— | | | | Unclassified |
|---|---|---|---|---|---|---|
| | | | Industrial sales | | | |
| 1939. | Total sales reported by 680 establishments. | Trade sales of paint, varnish, and lacquer. | Total. | Paint and varnish. | Lacquer. | sales reported by 100 establishments. |
| January | $25,166,042 | $12,496,706 | $10,269,334 | $6,942,879 | $3,326,455 | $2,400,002 |
| February | 25,399,464 | 13,145,314 | 10,019,901 | 6,777,622 | 3,242,279 | 2,234,249 |
| March | 32,888,357 | 17,656,995 | 12,112,220 | 8,278,015 | 3,834,205 | 3,119,142 |
| April | 33,999,205 | 18,862,040 | 11,843,829 | 8,581,577 | 3,262,252 | 3,293,336 |
| May | 41,853,977 | 25,436,932 | 12,578,360 | 9,259,538 | 3,318,822 | 3,838,685 |
| June | 38,504,857 | 22,341,180 | 12,585,957 | 9,328,873 | 3,257,084 | 3,577,720 |
| July | 30,758,617 | 17,215,946 | 10,713,443 | 7,982,902 | 2,730,541 | 2,829,228 |
| Total (7 mos.) 1938. | $228,570,519 | $127,155,113 | $80,123,044 | $57,151,406 | $22,971,638 | $21,292,362 |
| January to June | $180,965,715 | $105,742,308 | $56,934,501 | $40,328,903 | $16,605,598 | $18,288,903 |
| July | 27,946,084 | 16,368,159 | 8,806,128 | 6,384,620 | 2,421,508 | 2,771,797 |
| Total (7 mos.) | $208,911,799 | $122,110,467 | $65,740,629 | $46,713,523 | $19,027,106 | $21,060,703 |
| August | 30,182,013 | 17,224,845 | 9,894,867 | 6,879,994 | 3,014,873 | 3,062,301 |
| September | 31,046,584 | 17,431,211 | 10,492,087 | 7,139,367 | 3,352,720 | 3,123,286 |
| October | 30,007,078 | 16,128,067 | 10,985,822 | 7,343,960 | 3,641,862 | 2,893,189 |
| November | 26,253,314 | 13,183,545 | 10,638,281 | 6,950,589 | 3,687,692 | 2,431,488 |
| December | 21,281,326 | 9,885,307 | 9,293,043 | 6,166,468 | 3,126,575 | 2,102,976 |
| Total (year) | $347,682,114 | $195,963,442 | $117,044,729 | $81,193,901 | $35,850,828 | $34,673,945 |

# Oils, Fats, and Waxes

**War in Europe Causes General and Sharp Advance in Prices Here —Most Products Nominal—Maximum Daily Fluctuations in Cottonseed Oil and Lard Futures—Trade Active**

The war news from Europe was reflected in an active demand for oils, fats and greases of all descriptions in the market here last week and caused an advance in prices throughout the list. Some of the increases were decidedly sharp. Supplies in the hands of many consumers had apparently been permitted to fall to unusually low levels and material advances in prices failed to check demand.

At the close of the period quotations were generally nominal. In not a few instances there were no prices available, this applying not only to imported commodities but to domestic products as well, uncertainty concerning the future making sellers disposed to curtail offerings or remain out of the market pending further developments. In such circumstances quotations may be of little value when published aside from affording an indication of the trend late last week.

In the markets for cottonseed oil and lard futures, maximum fluctuations occurred early in the dealings in some sessions, and transactions were sharply curtailed by the lack of offerings. On Tuesday the market for cottonseed oil futures opened at an advance of 100 points, the maximum daily fluctuation allowable under the trading rules, and the dealings on that day amounted to only 19 contracts, as sellers were lacking on the rise.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Babassu oil, 1½c.
Capric acid, ½c.
Castor oil fatty acid, 1c.
Chinawood oil, 3c.
Coconut oil, 5/8c. to 1¼c.
Coconut oil fatty acid, ½c.
Corn oil, 2c.
Corn oil fatty acid, 1c.
Cottonseed oil, crude, 1½c.
Cottonseed oil, edible, 1¼c.
Cottonseed oil fatty acid, 1c.
Degras, 2 to 3c.
Grease, 1½c.
Lard, $2.75
Lard compound,,$1
Lard oil, 50c.
Lauric acid, ½c.
Linseed oil, 1½c.
Linseed cake, $3.50
Linseed meal, $4.
Linseed oil fatty acid, ½c. to 1c.
Menhaden oil, crude, 3c.
Menhaden oil, refined, 1¼c.
Myristic acid, ¾c.
Neatsfoot oil, ½c.
Oiticica oil, 2c.
Oleo oil, 1¾c.
Olive oil, denatured, 35c.
Olive oil foots, 1c.
Palm oil fatty acid, ⅝c.
Peanut oil, 1½c.
Perilla oil, 2c.
Rapeseed oil, 4c.
Red oil, 1¾c.
Sardine oil, crude, 3½c. per gal.
Sardine oil, refined, 1¼c.
Sesame oil, 1½c.
Soybean oil, 2c.
Soybean oil fatty acid, 1¼c.
Sperm oil, ⅝c.
Stearic acid, 2c.
Tallow, 1½c.
Tallow oil, ½c.
Teaseed oil, 1c.
Walnut oil, 1c.
Whale oil, 2c.

**Reduced**

None

### Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **101.2** | **95.1** | **97.4** | **101.8** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Chinawood Oil

A decidedly firm tone prevailed in domestic markets last week, the trend of prices being upward here and on the Pacific Coast. Locally business was reported to have been closed at 25c. per pound for spot oil in tankcars and at 26c. per pound in drums, while late in the week asked prices in some instances were still higher. On the Coast business was reported to have been closed at from 23½c. to 23¾c. per pound with still higher figures named subsequently. There was an active inquiry here but as for some time past actual business was curtailed by the limited supplies available.

Reports reached here from the Pacific coast late last week to the effect that the Japanese were opening up Shanghai as a port of shipment for chinawood oil and that about 9,000 to 10,000 tons were ready for export.

SAN FRANCISCO, Sept. 5.—Sales were effected in chinawood oil early this morning at 23½c. per pound in tankcars, f.o.b. Pacific Coast. Later in the day business was said to have been closed at 23¾c., and sellers were subsequently talking 25c.

## Vegetable Oils

**Coconut.**—Crude oil was stronger in company with other commodities. Business was reported to have been closed at from 3¾c. to 4c. per pound, but late in the week prices were merely nominal. The inquiry was reported as active. Refined oil was advanced ⅝c., with an increase noted in demand.

SAN FRANCISCO, Sept. 5.—Resale oil sold this morning at 3½c. for crude in tankcars, f.o.b. Pacific Coast ports and/or mills. Some large lots were reported to have been taken out of the market. Late today producers were not accepting bids of less than 4c., and were not putting out any firm offers of their own. There was a lack of copra offerings. The opinion was expressed that, based on local coconut oil prices, copra should be worth at least 2¼c. per pound.

**Corn.**—The inquiry was active and the market was stronger, with reports current of sales at from 6¾c. to 7c. per pound. Offerings were light throughout the week and late in the period quotations were generally nominal.

**Cottonseed.**—Edible oil was advanced about 1¾c. per pound by refiners. The inquiry showed a noteworthy increase. Imported semi-refined oil was nominal in the absence of offerings.

**Oiticica.**—There was an active inquiry but business was curtailed by the inadequate supplies, some sellers not being in a position to offer. Business was reported to have been closed, however, at around 19c. per pound.

**Olive.**—Offerings were light and generally limited to comparatively small quantities. There were reports of transactions at around $1.25 per gallon for denatured oil and 8½c. per pound for foots.

**Palm.**—The market was nominal in the absence of cable quotations from abroad.

**Perilla.**—Business was reported to have been closed at as high as 14c. per pound for oil in tankcars. Late in the week offerings were very light, some sellers being out of the market.

**Soybean.**—Sales of crude were reported to have been made at 6c. per pound in tankcars at mills and 6½c. here. There was an active inquiry.

### Markets at Other Centers

**Chicago**, Sept. 8.—Virtually all sections of the general vegetable oil market are featured by strong upward price movements, with buying pressure noted on a wide basis.

COCONUT—Coast basis, September-forward, 3⅝c. to 3⅞c. per pound. Refined, edible oil, 8⅞c. to 9c. per pound, barrels, car lots; and 9½c. to 9¾c., barrels, less than car lots.

CORN.—Crude, low acid, 6⅞c. to 7⅛c. per pound, partly nominal. Refined, edible oil, 8½c. to 9c. per pound, barrels, car lots; and 9c. to 9½c., barrels, less than car lots.

CHINAWOOD.—Ruling, spot, nominal; October-forward, also nominal.

PEANUT.—Crude, mills, September-forward, 6½c. to 6⅝c. per pound.

SOYBEAN.—Crude, mills, 5⅝c. to 5¾c. per pound, October, forward.

The market for soybeans on the Chicago Board of Trade was active, with the trend of prices strongly upward. Following is a price record, per bushel, for the week:—

| | High. | Low. | Closing Sept. 8. | Closing Sept. 2. |
|---|---|---|---|---|
| October | $0.90½ | $0.78 | $0.90¾ | $0.74 |
| December | .90 | .77⅞ | .89⅝ | .73¾ |

**San Francisco**, Sept. 5.—War, breaking over the Labor Day holiday, sent the vegetable oil market here into a show of dizzy activity in which prices were jumping upwards hourly, firm offers given for immediate acceptance only and buyers rushing belatedly into the picture to cover.

BABASSU.—Babassu nut oil followed the trend of coconut oil with business closed at 6½c. per pound in tankcars, f.o.b. mills, Pacific Coast today, after which sellers then named 6¾c.

OITICICA.—Only one seller was found in position to quote on oiticica oil, with the market for high grade material moving up to 17½c. per pound during the day.

COTTONSEED.—Domestic bleachable cottonseed oil has advanced sharply to 7½c. per pound in tankcars, f.o.b. Pacific Coast mills.

PERILLA.—Sales of perilla oil were entered today on the basis of 13½c. per pound in tankcars, f.o.b. Pacific Coast for shipment out of locally crushed seed, or at the option of buyer, for shipment from abroad.

RAPESEED.—Refined and denatured rapeseed oil is quoted nominally on the basis of 7¾c. per pound in tankcars, f.o.b. Pacific Coast ports for shipment from spot stocks or from the Orient.

## Linseed Oil

Flaxseed prices were sharply higher and quotations on linseed oil, cake and meal were raised materially by producers.

**Flaxseed**—DULUTH, Sept. 8.—Flaxseed prices up to the highest levels attained in months. Meanwhile, a stiffer buying tone was noted in the Duluth cash market as the premium on No. 1 seed was jacked up to 4½c. over Minneapolis September after ruling at 4c. Receipts were running substantially ahead of a year ago, virtually on a 2-to-1 basis and cash business was expanded. A car of No. 1 seed brought $1.79½ as the week opened, but handlers were looking for even steeper quotations in view of the European conflict. Supplies in elevators here had increased to more than 500,000 bushels at the end of last week.

The week's closing price range was as follows:—

| | Cash. | Sept. |
|---|---|---|
| Saturday | $1.66 | $1.62 |
| Monday | ... | ... |
| Tuesday | 1.76½ | 1.72½ |
| Wednesday | 1.80½ | 1.80 |
| Thursday | 1.81 | 1.80 |
| Friday | 1.74½ | 1.70 |

MINNEAPOLIS, Sept. 8.—The feature in the flax market, of course, was the very sharp advance in prices stimulated by war news. Another feature was the limited trade at the advance. Prices generally opened daily at the set 10c. limit for the day and it was virtually impossible to buy anything. Crushers wanting to buy cash seed had to give up their hedges in order to trade.

So far more than half of the estimated crop has been marketed locally. In addition some went to Duluth and Superior, at the head of the lakes. Farmers are slowing down with their offers and quite a decrease in movement is expected in the near future. Were it not for the current

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

STEARIC ACID
Single Pressed and Double Pressed
*Available in either cake or flake form*
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
*Branches and stocks in all large cities*

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J. and Baltimore, Md.

TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
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W. C. HARDESTY CO., Inc.
41 East 42nd Street New York
RED OIL STEARIC ACID
Saponified - Distilled
HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids Coconut Oil Fatty Acids
Palm Oil Fatty Acids Corn Oil Fatty Acids
Lauric Acid Specialty Fatty Acids
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

# ISOLINE

A dehydrated castor oil product supplied in M, Z, Z-2 or Z-3 body.

Produces colorless, color retentive varnishes and white enamels which, with proper resins, dry in four hours, and also baking enamels with the same color retentive characteristics.

# ISOLINE FATTY ACIDS

Produce alkyds for superlatively color retentive air dried or baking enamels and varnishes.

Isoline is manufactured under Patent No. 1,892,258 dated December 27, 1932 and thus you are protected against patent litigation.

# FATTY ACIDS

All kinds for all purposes.

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WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N. J.



# CHINA WOOD OIL SUBSTITUTIONS

Often market conditions make it imperative that a large proportion of tung oil in many formulations be replaced by the softer oils. To accomplish this without too seriously affecting viscosity, drying time, hardness and water resistance requires synthetic resins with particular properties.

*The following suggestions are offered as a broad approach to this difficult problem:*

AROCHEM 65 . . . . . With LINSEED oil

AROCHEM 115, AROCHEM 520, AROFENE 700 . . . . With PERILLA and DEHYDRATED CASTOR oils

AROCHEM 120 . . . . . With OITICICA and DEHYDRATED CASTOR oils

***Further details are available***

THE COMPLETE RESIN LINE

ESTER GUM—*all types* • "AROFENE"—*pure phenolics*
"AROCHEM"—*modified types* • "AROPLAZ"—*alkyds*
NATURAL RESINS—*all standard grades*

STROOCK & WITTENBERG CORPORATION

NEW YORK, N. Y.


strong advance the decrease in selling probably would have shown by this time. Reports from southern Minnesota, where production was heaviest, say that the farmers have pretty well liquidated their seed and will conserve more of it for sowing next spring. Currently they are moving some of their other grains because of the sharp and unexpected advance in prices.

Local elevator stocks of flax increased 900,000 bushels in four days compared with an increase of 330,000 bushels in a like period a year ago. Trade in futures was greatly restricted by price control limits. Speculative demand aroused by war news could not be satisfied as there was virtually nothing for sale.

The week's closing price range was as follows:—

| | Cash. | Sept. | Dec. |
|---|---|---|---|
| Saturday | $1.65 | $1.62 | $1.63½ |
| Monday | ... | ... | ... |
| Tuesday | 1.75 | 1.72 | 1.73¼ |
| Wednesday | 1.79 | 1.76 | 1.80 |
| Thursday | 1.79½ | 1.76½ | 1.79½ |
| Friday | 1.71 | 1.68 | 1.70 |

Crop movement in bushels follows:—

| | Receipts— | | Shipments— | |
|---|---|---|---|---|
| | 1939. | 1938. | 1939. | 1938. |
| This week | 1,034,600 | 484,540 | 145,600 | 15,070 |

**WINNIPEG, Sept. 12.**—The market for flaxseed futures had a firm tone. The week's closing price range was as follows:—

| | Cash. | Oct. | Dec. |
|---|---|---|---|
| Saturday | $1.41 | $1.42 | $1.36⅝ |
| Monday | ... | ... | ... |
| Tuesday | 1.46 | 1.47 | 1.41⅛ |
| Wednesday | 1.51 | 1.52 | 1.46⅝ |
| Thursday | 1.56 | 1.57 | 1.59 |
| Friday | 1.59½ | 1.60½ | 1.53⅝ |

**BUENOS AIRES, Sept. 8.**—Opening prices per bushel on September contracts were:—

| | Last week. | Last year. |
|---|---|---|
| Saturday | $1.10⅞ | $1.09 |
| Monday | ... | 1.05⅝ |
| Tuesday | 1.17¼ | 1.04⅞ |
| Wednesday | 1.16⅞ | 1.04⅜ |
| Thursday | *1.13¼ | 1.04⅛ |
| Friday | *1.12¾ | 1.04⅛ |

* October.

**Exports**

| | Bushels— | | |
|---|---|---|---|
| To— | Last week. | Previous week. | Last year. |
| United States | 142,000 | ..... | 327,000 |
| United Kingdom | 488,000 | 354,000 | ..... |
| Continent | 193,000 | 370,000 | 224,000 |
| Orders | 362,000 | 315,000 | ..... |
| Others | ..... | ..... | 16,000 |
| Totals | 1,185,000 | 1,039,000 | 567,000 |

**Since January 1**

| | Bushels— | |
|---|---|---|
| To— | This year. | Last year. |
| United States | 11,287,000 | 8,471,000 |
| United Kingdom | 1,500,000 | 1,114,000 |
| Continent | 18,958,000 | 17,645,000 |
| Orders | 7,920,000 | 7,117,000 |
| Others | 2,465,000 | 1,635,000 |
| Totals | 42,130,000 | 35,982,000 |

**Visible Supply**

| | Bushels. |
|---|---|
| Last week | 3,937,000 |
| Previous week | 3,937,000 |
| Last year | 4,724,000 |

**INDIA.**—Exports of flaxseed from India last week were as follows:—

| | Bushels— | | |
|---|---|---|---|
| To— | Last week. | Previous week. | Last year. |
| United Kingdom | 504,000 | 180,000 | 208,000 |
| Continent | ..... | 44,000 | ..... |
| Others | *12,000 | 20,000 | ..... |
| Totals | 516,000 | 244,000 | 208,000 |

* To Australia and Japan.

| | Bushels— | |
|---|---|---|
| Since April 1— | This year. | Last year. |
| United Kingdom | 6,204,000 | 6,284,000 |
| Continent | 420,000 | 488,000 |
| Others | 320,000 | 84,000 |
| Totals | 6,944,000 | 6,856,000 |

**Linseed Oil.**—Flaxseed markets were sharply higher last week and local linseed oil sellers raised quotations materially, the range on tankcars being 9.4c. to 9.7c. per pound, according to crusher. The inquiry showed a material increase as a result of the war news from Europe, and also because sharp advances occurred in other commodities. There was also some increase in the movement into consuming channels on contracts previously placed.

Receipts of flaxseed were again on a liberal scale although there were indications of a slowing down of the movement in some sections. Demand for cash seed was active, crushers and cash interests being the buyers. Country offerings showed some falling off, holders being disposed to await further developments in the market situation.

Receipts of flaxseed at New York last week were 294,237 bushels. Shipments from Argentina to this country were 142,000 bushels, making a total since January 1 of 11,287,000 bushels, against 8,471,000 bushels in the same time last year.

MINNEAPOLIS, Sept. 8.—There was quite a spurt in oil trade just prior to the opening of hostilities in Europe and many of the larger buyers added to their contracts just in case something did happen. Since the war began trade has been limited because the crushers have been unable to hedge sales freely in either the pit or the cash department. A lot of oil is wanted by the buying trade, indicating that the trade was low on contracts as compared with requirements. Prices advanced sharply each day because of the limit gain in flax prices at the opening of each market session.

Quotations on carload lots, f.o.b. Minneapolis, tankcar lots, 9c. per pound; cooperage car lots, 9.6c. per pounnd; warehouse lots, 10c. per pound. Fairly good trade in small lots for quick shipment.

Shipments of oil in pounds were as follows:—

| | 1939. | 1938. |
|---|---|---|
| This week | 3,540,000 | 1,666,980 |

**SAN FRANCISCO, Sept. 5.**—Linseed oil swept rapidly up the scale of price today when the open market quotation was advanced a full cent a pound, following previous raises amounting to 6 points during the week. Business activity was good just prior to the last jump, but at the moment the movement is stalled. Open quotations are named as follows today:—Tankcars, 9c. per pound; drum lots, ex mill, 9.6c.; drum lots, ex warehouse, 10c.

**CHICAGO, Sept. 8.**—A burst of strength in linseed oil has carried prices to best levels in many months. Buyers find it necessary to scramble around in order to protect their needs. Ruling prices are:—Tankcar, 9.0c. per pound; car lots, 9.6c.; less than car lots, 10c.

**Cake and Meal.**—A sharp upturn in flaxseed prices was reflected in the local market for cake and meal, quotations being raised $3.50 to $4 per ton. The inquiry was reported as active.

**MINNEAPOLIS, Sept. 8.**—Demand for linseed meal is gradually becoming more aggressive and bids are advancing from day to day, but crushers sold most of their output earlier and now are content to wait on developments. It is doubtful whether they will be willing to make important commitments for delivery any time this present year.

Output is liberal and so is the out movement, double that of a year ago. Shipping instructions are generally prompt and most all of the current output is moving out as it becomes available.

Shipments of meal in pounds were as follows:—

| | 1939. | 1938. |
|---|---|---|
| This week | 3,920,000 | 2,477,965 |

**CHICAGO, Sept. 8.**—Linseed meal inquiry seems to be mostly for material for immediate needs. Feeder business is restricted. Resellers have no great amount of offerings. Round lot business remains slow. Ruling prices are:—Round lots, $30 per ton, largely nominal; car lots, $30 to $31; less than car lots, $32 to $33.

## Cottonseed Oil

The market here for refined oil futures was active with frequent fluctuations. Southern markets for cottonseed products were firmer.

**Cottonseed Oil.**—The war news from Europe overshadowed everything else in the market here for refined cottonseed oil futures. It caused active, general buying, and a sharp rise in prices. On Tuesday the market opened at an advance of 100 points, the maximum fluctuation allowable on any one day, with December selling at 7:05c. which was also the closing quotation. This compared with a final price at the previous closing of 6.06c. The transactions on Tuesday were only 19 contracts as sellers were lacking on the rise. On the following day December opened at 7:75c., dropped to 7.38c. and then rallied to 7.65c., subsequently fluctuating sharply with the closing at 7:59c.

During the remainder of the week fluctuations in the list were frequent and sharp. On advances there was heavy realizing by recent buyers. On setbacks commission houses executed buying orders for clients in various parts of the country. Trade interests also made purchases on a liberal scale. Hedge selling increased, but pressure from this source was not as great as had been expected on the advance. Some attributed this to the disappointingly small movement of seed to the mills. Seed was quoted late in the week at $20 to $22 per ton.

Products which compete with cottonseed oil were sharply higher and in some cases scarce on the rise. Crude coconut oil sold on Wednesday at 4c. here, but higher prices were named later on. Crude soybean oil sold at 6c. at the mills. The Chicago market for lard futures was excited and higher. The maximum daily fluctuations allowable there was increased to 100 points, instead of 50 points as formerly. Provision interests in the West were said to have made liberal purchases of cottonseed oil in this market. Shortening was advanced $1 per 100 pounds. An active demand was reported for that product as well as for cash cottonseed oil.

There was considerable switching here of cottonseed oil contracts from near to distant positions. September was switched to December at 20 points difference. October was switched to December at 16 points difference, and to January at 20 points. December was switched to January at 8 points dif-

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

ference, and January to March at 10 points. Further tenders on September contracts brought the total for the month thus far up to 47.

The weight of the hogs received in Chicago during the week ended September 2 averaged 284 pounds against 287 pounds in the previous week. Stocks of lard in Chicago decreased 9,802,000 pounds during the second half of August making a total decrease for the month of 13,157,911 pounds, which compared with an increase of 272,571 pounds in the same time last year. Stocks in that market at the close of August were 73,473,981 pounds against 74,784,946 pounds a year ago.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 2 to September 8, inclusive, comprised 1,700 contracts, a total of 102,000,000 pounds. Following is a price record for the week:—

| | Cents per pound in tanks— High. | Low. | Close. |
|---|---|---|---|
| January | 7.85 | 6.10 | 7.25@7.28 |
| March | 7.90 | 6.05 | 7.37@7.39 |
| September | 7.40 | 6.55 | 6.95@7.10 |
| October | 7.85 | 5.93 | 7.00 sale |
| December | 7.75 | 5.95 | 7.19@7.20 |

Crude, Southeast, .06½c. Nom.

**Chicago, Sept. 8.**—Cottonseed oil is in the forefront of the general advances of such general commodities and prices have been moving strongly higher. Buying has been active, and sellers report buyers are more interested than at any time in a long period. Some requirements are being anticipated in current dealings. Good, off-Summer, yellow fig oil is 7⅞c. per pound. Refined, edible oil is 9c. to 9½c. per pound, barrels, car lots; and 9c. to 9½c., barrels, less than car lots.

**Cake and Meal.**—Southern markets were firmer, the trend of prices for spot material in some sections being reported as upward, with the inquiry more active.

### Markets at Other Centers

**Atlanta, Sept. 6.**—Under the stimulus of war, prices of cottonseed products have moved sharply upward. Oil is quoted at 6¼c. per pound. Cottonseed meal is now $26 to $26.50 per ton, Southeastern mills, jumping $3 per ton in ten days. Cotton picking is now in progress over much of the cotton belt.

**Memphis, Sept. 7.**—Crude cottonseed oil sold at 6½c. yesterday and 6¼c. today. The latter figure is still bid, but most buyers are indifferent and waiting for further developments. Mills claim the seed receipts are small to date and indicate a holding movement is taking place at the plantations and gins. Cottonseed meal very erratic. Today 41 percent meal quoted at $27.50 per ton, Memphis basis. Bulk cake $25.50 per ton, Valley basis, although sales were reported early this week at $26.50. Hulls $5 per ton at mill points. Seed $20 to $22 per ton. Weather clear and hot. Picking general.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

| | August 31. | September 7. |
|---|---|---|
| September | $20.90@21.15 | $27.20@27.35 |
| October | 20.65@20.95 | 26.90@—— |
| December | 20.65@20.90 | 26.85@—— |
| January | 20.65@20.90 | 26.75@27.00 |

## Fatty Acids

**Capric Acid.**—Quotations were advanced ½c. per pound, with the market firm at the rise. An increase was noted into the movement to consumers on contracts and transient orders.

**Castor Oil.**—The market was more active, buying interest being stimulated by an advance in basic material and the upward trend of other commodities. Quotations were advanced 1c. per pound.

**Cottonseed Oil.**—Prices were advanced 1c. per pound, the upturn being a reflection of developments in raw material. Business was more active, takings for the week, according to some reports, being much larger than in recent preceding periods.

**Linseed Oil.**—The market for this fatty acid was stronger owing to increased cost of basic material. Demand showed a considerable increase.

**Red Oil.**—Higher cost of raw material was reflected in an advance in red oil prices of about 1¾c. per pound. An increase was noted in the movement into consuming channels on contracts and transient orders.

**Stearic Acid.**—The market was much stronger, double pressed being advanced to 12c. per pound in car lots. Demand was considerably more active than in recent weeks. Late in the period the market for raw material appeared to be practically bare of supplies.

### Markets at Other Centers

**Chicago, Sept. 8.**—Influenced by stronger markets and higher prices in the basic materials, fatty acids are moving higher in price and in doing so are attracting buyers' orders to a considerable extent.

FATTY ACIDS.—Corn oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; coconut oil, acidulated, 8½c. to 9c. per pound, tankcar, mostly nominal; 9c. to 9½c., barrels, car lots; 9½c. to 10c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c. per pound, barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3½c. to 3¾c. per pound; boiled down soap stock, 65 percent basis, 4½c. to 4¾c.; cottonseed foots, 50 percent basis, 2c. to 2¼c.

## Fish Oils

**Menhaden.**—The local market for refined oil was much stronger in company with other commodities. Quotations were advanced about 1¼c. per pound. According to some reports the volume of inquiries received showed a material increase over recent preceding periods. Unfavorable reports were received concerning crude oil production.

**Sardine.**—The trend of prices here was strongly upward, with an increase in demand. Buying interest was stimulated by the course of other commodities and also by recent developments in crude oil on the Coast. Quotations here on refined oil were up more than 1c. per pound.

**Sperm.**—Quotations were advanced about ¾c. per pound. The inquiry from local and other buyers was active.

**Whale.**—Refined oil was much stronger, local quotations being about 2c. per pound higher. A considerable increase was reported in demand.

### Markets at Other Centers

**Baltimore, Sept. 6.**—Just what sellers would be willing to take for crude menhaden oil is not to be definitely determined, but the intimations dropped now are that they expect to realize not less than 24c. per gallon. Meanwhile, the fishing has turned for the worse, with high winds and rains halting the activities of the fishing vessels or at least preventing hauls of importance. The fish seem to be in fair condition and yielding oil in the proportions to be expected. Of course, much depends upon the length of the season, which in some years stretches out to the middle of November. The upward revision in the price of oil may not be unconnected with the rise in other products which can be used in the place of oil in the operations of some of the industries.

The fishing down the coast proceeds about as was to be expected, though the effect of high winds was also felt there.

**San Francisco, Sept. 5.**—There was no telling where fish oils were headed today as the news of war swept through the oils and fats picture and prices in all divisions commenced their spectacular climb. Fish oils were apparently not traded today, the first business day since the opening of declared hostilities although rumored and fancied prices were flitting about as the position of consumers became more apparent.

Late today it was reported in reliable circles that 27½c. per gallon had been the price bid on a quantity of California oil, the bid apparently going unanswered. At noon and during the morning, refiners had been endeavoring to get supplies into contract at 25 cents. Insofar as it could be ascertained there were no sellers at any price.

That the value of sardine oil was rapidly getting around to the point where producers might be able to pay the $11 per ton figure on raw fish asked by labor and thereby start the production of oil in California on its way for the first time this season was seen as a possibility here today. However, there were no further attempts made last week to reach any settlement and the plants continue to be idle.

Fishing has been so poor off the Oregon and Washington coasts that production has practically stopped in those states, news reaching here during the week stated. No further attempt to sell oil has been made, it was learned.

In Alaska herring operations, the Kodiah area was closed for the season when a limit placed on fishing operations was reached last week. Prince William Sound and Southeastern Alaska are still going however, it was reported, although the fishing in those localities has been reported as poor just lately.

## Fats and Greases

**Grease.**—The market was quiet last week, this being due to a lack of offerings rather than to an absence of buying interest, as numerous inquiries were received. There was little grease available, however, and quotations were nominal, with reports of bids at about a cent above recent asked quotations.

**Lard.**—Cash quotations had an upward trend in company with the course of futures in the West, where quotations rose sharply. An increase was noted in the domestic inquiry for spot material. The export movement was lighter.

**Stearin.**—Much higher prices were quoted, with reports of sales at a cent or more above the final prices of the previous week. Late in the period offerings were light, some sellers remaining out of the market.

**Tallow.**—The market here was much firmer in company with other fats. Sellers were disposed to hold off for further developments and the market was bare of offerings much of the time. There were numerous inquiries, with reports current of bids of 5½c. for extra, this figure being rejected. The market for tallow futures was much higher, December selling on Wednesday at 6.60c.

Trading in tallow futures on the New York Produce Exchange from September 2 to September 8, inclusive, comprised 6 contracts, a total of 360,000 pounds. Following is a price record for the week:—

| | Cents per pound in tanks— High. | Low. | Close. |
|---|---|---|---|
| January | 6.54 | 5.70 | 6.00@6.60 |
| October | 6.60 | 4.85 | 5.75 bid |

### Markets at Other Centers

**Chicago, Sept. 8.**—Strength has taken possession of the cash lard market in no uncertain terms, with large demand materializing and more expected to follow, as a result of the war.

The range of lard quotations from the opening Saturday, September 2, to the close Friday, September 8, is shown in the following table:—

| | Per 100 pounds— Open. | High. | Low. | Close. | Previous Friday. |
|---|---|---|---|---|---|
| Cash | $8.45 | $8.25 | $8.45 | $8.25 | $6.20 |
| October | 6.62 | 8.00 | 6.25 | 7.40 | 6.12 |
| December | 6.72 | 8.00 | 6.22 | 7.45 | 6.22 |

TALLOWS (tierces).—Edible, 5¼c. to 5½c. per pound; prime, 5c. to 5½c.; fancy, 5c. to 5¼c.; special, 5c. to 5¼c.

GREASES (tierces).—Choice white, 5¼c. to 5½c. per pound; A white, 5c. to 5¼c.; B white, 4¾c. to 5c.; yellow, 10-16, 4⅝c. to 4¾c.; yellow, 16-20, 4½c. to 4⅝c.; brown, 4¼c. to 4½c.

STEARINS (Barrels).—Prime oleo, 5½c. to 5⅝c. per pound; lard, packages, 8c. to 8½c. per pound; white grease, 5¼c. to 5½c.; yellow grease 5c. to 5½c.; oleo stocks, 6¾c. to 7c.; No. 2 stocks, 6¼c. to 6½c.

## Animal Oils

**Lard.**—The market was firmer owing to the rise in basic material. Quotations were advanced ½c. per pound. Business lacked snap but some increase was noted in the inquiry for small or moderate lots.

**Neatsfoot.**—The strength of raw material was reflected in the market here for neatsfoot oil, quotations being advanced ½c. per pound. There was some increase in the inquiry for moderate quantities of spot oil.

**Oleo.**—A much stronger tone developed, quotations being raised about 1½c. per pound. Business was more active, a material increase in the inquiry being reported in some quarters.

### Markets at Other Centers

**Chicago, Sept. 8.**—Continuing to reflect conditions in basic markets, the animal oils are mostly showing higher prices.

LARD.—No. 1, 8c. to 8¼c. per pound.

OLEO.—No. 2, 6½c. to 6¾c. per pound.

TALLOW.—Acidless, 7¼c. to 7½c. per pound, tanks; and 8c. to 8¼c., drums.

## Waxes

**Bees.**—Prices lacked change but that condition may be temporary in view of the present upward trend on all commodity prices. There was little doubt that market undertones were substantially stronger.

**Candelilla.**—Quotations were higher at 16½c. to 17c. per pound in ton lots and 17c. to 17½c. in jobbing quantities Of all the waxes, this item alone seemed to be more or less freely available.

**Carnauba.**—Offerings from Brazil were limited and prices on replacement goods rose steadily whenever business was done. Numerous sellers refused to book contracts and practically all would not quote spot prices at the close of the period. The entire situation was too uncertain and ill-defined to warrant any other than the most cautious policy at the present time.

**Japan.**—Quotations were higher at 15c. to 16c. per pound and it appeared to be a virtually nominal market in view of the forward and spot position of the item.

**Montan.**—All prices remained withdrawn and with all shipments shut off from the primary market because of the war, the article was due to disappear entirely from this market.

**Ozokerite.**—This item comes from the heart of present fighting in Europe—Poland. Therefore, no further shipments can be made and the very small spot stock will soon melt and the item be eliminated from commerce in this country. Perhaps consumers once more will turn to Colorado, from which state they obtained stocks in the 1914-1918 World War.

**Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7**

## *Lard, Cottonseed Plans Tangled by European War*

*—Continued from page 3*

that there is a general feeling that England and France are certain to become large purchasers of these two commodities. In some quarters it was asserted that, in all probability, those countries would buy enough of these products to wipe out the American surplus. It was this opinion that, so it is claimed, was responsible in large degree for the bulge in prices that followed hard on the heels of the declaration of war. Proponents of this idea were confident that the two allied countries would take enough American lard to obliterate the surplus of that commodity, which, of course, would lessen the pressure on the cottonseed oil market.

But before the war was a week old another school of thought began making itself felt. Spokesmen of that school argued that the picture painted by the opposite school was entirely too rose-colored. They laid stress on the well-known fact that England has many colonies from which vast supplies of oils, such as coconut oil, palm oil, and palmkernel oil, can be obtained, and contended that the allies were much more likely to tap their sources in those countries than to attempt to purchase any considerable portion of the American surplus. It was contended also that Germany is now completely out of the picture as a possible purchaser.

In spite of these facts, however, even the pessimists admitted that, with the world situation what it is, there is little probability that prices for lard and cottonseed oil will drop back to the extremely low level at which the outbreak of hostilities found them.

### Archer-Daniels Gets $3,000,000

The Archer-Daniels-Midland Company, St. Paul, has made arrangement for a bank loan of $3,000,000, repayment being scheduled over a period of seven and one-half years, according to S. M. Archer, president. The borrowing will provide most of the $3,162,500 required to retire this November 1 the company's 7 percent preferred stock at $115 plus accrued dividends.

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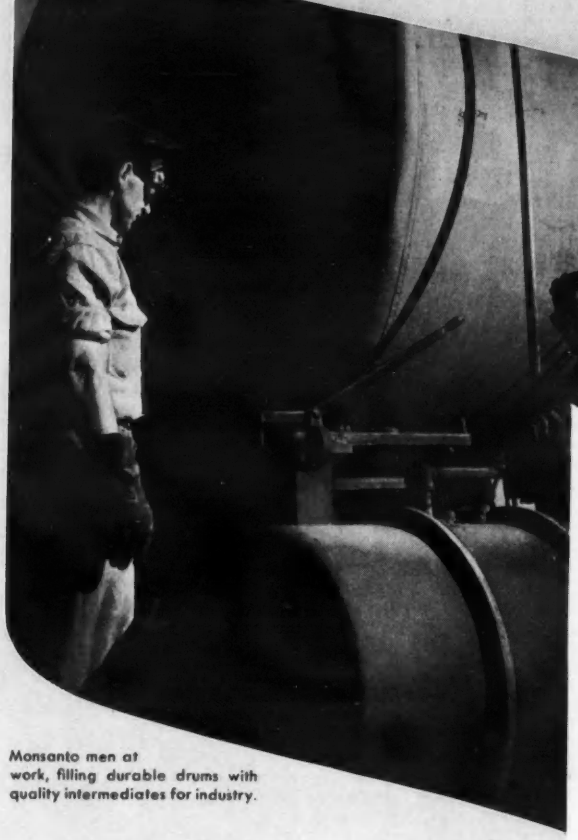

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# Drugs, Fine Chemicals

## European War the Basic Cause of Higher Prices on Castor Oil, Codliver Oil, and Quicksilver — Cost to Produce Tartar Products Rising

The European war was directly productive of higher prices on castor oil, codliver oil and quicksilver last week. In general, the market was well cushioned to absorb the shock of the beginning of hostilities between major powers and the generally steady prices were evidence that the drug and fine chemical industries in this country were determined to maintain market equilibrium and not to change values except where actual cost of production forced the issue.

The situation now is quite different than it was in 1914. At the outbreak of the World War, the United States had but a moderate-sized domestic drug and fine chemical establishments. In a major degree, the country was not independent of Europe. At the present time, the new war begins at a time when the work of twenty-five years is at fruition. In 1914, actual shortage of materials was inevitable. In 1939, ample supplies of practically all drugs and fine chemicals exist and given a steady supply of raw materials, all domestic needs will be supplied.

The cost of production may rise. In fact, the advance in ocean freight rates and war risk insurance has already affected the cost to produce numerous raw materials the supply of which has been usually imported from Europe. But it seems fairly certain that there would be no broad, runaway market in the nearby future, if at all.

A visitor from Denmark who was expected to arrive in the United States in August is interested in obtaining lines of pharmaceutical chemicals. Such details as are shown in connection with this visitor are available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms. Please refer to Foreign Visitor No. 1022.

**Acetone.**—The market lacked further development, but the general position was strengthened considerably by the general international situation which in the future may greatly affect American industry.

**Acid, Citric.**—Business was about normal for the current season of the year and for the most part the situation was lacking in signs of a change. Prices were fully steady and very low.

**Acid, Tartaric.**—European factors can easily result in a rise of replacement cost of raw materials. Higher freight rates, war risk insurance, scarcity of cargo carriers—all are factors that would unite with a possible decrease in raw material production and bring about a higher cost. The market was fully steady in all respects.

**Agar.**—Whatever tendency toward slight shading of prices may have existed has disappeared and the market last week was fully firm in all respects at home and abroad.

**Alcohol.**—A hardening of prices was noted. The general situation was such as to suggest an expansion in manufacturing requirements and in some respects a moderate improvement in the basic market position of this item was noted. Prices were firmer. Less tendency toward shading in the Metropolitan area was present, a fact that counted in the development of a healthier commercial position for the article.

**Bismuth Metal and Salts.**—The tone of the market was firm. Metal was in fair request and moved at full prices. Demand for salts was all that could be expected reasonably and all values were well held.

**Borax.**—Price stability was pronounced. Movement of production into consumption was steady and, as the Fall gets underway, a pickup in requirements of manufacturers seemed inevitable. The undertone was very firm.

**Cadmium.**—Metal was firm and consumption seemed to be broadening in keeping with the expansion of activity in numerous consuming industries. Prices were easily maintained since the element of aggressive competition was lacking.

**Castor Oil.**—Production cost has been increased by the sharp rise in ocean freight rates and war risk insurance. Producers of castor oil advanced quotations ½c. per pound last week, establishing 8½c. per pound for medicinal oil in tanks; 8c. for technical oil in tanks. For the full schedule covering drum and barrel packing, see the Prices Current.

CHICAGO, Sept. 7.—Prices on castor oil were advanced ½c. per pound last week, establishing the following schedule: No. 1, car lots, barrels, 9⅝c. per pound; less than car lots, 10¾c.; returnable drums, car lots, 9⅛c.; drums, less than car lots, 10½c.; tanks, 8⅞c.; No. 3, barrels, car lots, 9⅛c.; barrels, less than car lots, 10¼c.; returnable drums, car lots, 8⅞c.; drums, less than car lots, 10c.; tanks, 8⅜c.

**Codliver Oil.**—Scarcity of cargo carriers, and the advance in not only ocean freight rates, but also those on war risk insurance, was responsible for spot quotations on this oil being advanced to $38 to $40 per barrel. This was a sharp reversal of the market position of this item and on the rise some important business was booked.

**Codeine.**—The market was exceptionally steady. The foreign situation could well affect shipments of raw material, but at the present time there seemed to be no reason to expect that such shipments would be affected sufficiently to cause a shortage for the production of codeine and its salts.

**Cream of Tartar.**—Because the cost of raw material was likely to be raised by the advance in ocean freight rates and war risk insurance, the spot position of this item was firmer in some degree. Demand was about normal.

**Ephedrine.**—The supply was ample and causes for higher prices were not apparent. Much will depend on a continuation of raw material shipments from the primary source of supplies. Stocks of raw material held by the makers constituted a good sized reserve.

**Glycerin.**—The glycerin industry reported its position as excellent. Stocks of refined material were large and no unusual demand was either current or expected. Some producers of crude viewed the European war as reason to expect higher prices for their product and for the most part prices were withdrawn. This was totally without effect on refiners and the latter declared that in all probability plenty of glycerin would continue to be available at well stabilized prices.

CHICAGO, Sept. 7.—Despite nervousness and talk of the possibility of higher prices, sellers of c.p. and other grades of glycerin have been continuing to book business at former levels. Purchases are good. Much interest, of course, is being expressed in the foreign situation. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12¼c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c.; drums, car lots, 12c.; drums, less than car lots, 12¼c.

**Menthol.**—Quotations on natural menthol were advanced to $3 to $3.10 per pound when the market activity expanded to a considerable extent. The activity originated among those who were disposed to lay in a stock against possible developments connected with

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Corrosive sublimate, 12c. per lb.
Calomel, 15c. per lb.
Castor oil, ½c. per lb.
Codliver oil, $17 per bbl.
Mercury oxide, red, 20c. per lb.
yellow, 20c. per lb.
Menthol, 15c. per lb.
Quicksilver, $27 per flask.
White precipitate, 15c. per lb.

**Reduced**

None.

### Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **186.1** | **183.0** | **182.5** | **182.8** |

Market news that may have developed after this report was sent to press will be found on page 4.

**Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7**


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of Norwegian Cod Liver Oil is subjected to control by the state, and the utmost care is taken to see that the detailed regulations for manufacture, cleanliness and hygiene, are rigidly observed in every particular. The regulations for the manufacturing of medicinal cod liver oil are issued in the form of a law and also include export of the oil.

Not a single barrel or bottle of Norwegian medicinal cod liver oil is therefore permitted to be exported before chemical examination of the oil, and also tests for taste and smell, have proved that the oil is genuine, wholesome and pure. As a proof that the oil has been approved by the Control, the consignment is accompanied by a certificate of control, which is yellow for the very best quality. Every importer should in his own interests take care that the consignment is accompanied by the certificate issued by the Norwegian Government Control.

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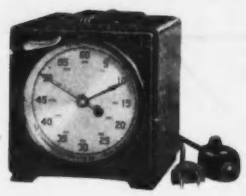

It has already proven its accuracy in many laboratories of America's leading oil companies, industrials, and universities. Measures time down to 1/200th of a second. Has large, easy-to-read dial, handy remote control switch, attractive sturdy bakelite case. Use it wherever you need accurate time measurement.
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CHLORINATED HYDROCARBONS

| | B.P., Oº. C. |
|---|---|
| Methyl Chloride | -24.6 to -23.6 |
| Dichlormethane | 39.2 to 40 |
| Chloroform (Tech.) | 60.0 to 61.5 |
| Carbon Tetrachloride | 76 2 to 77.0 |
| Trichlorethylene | 86.0 to 87.5 |
| Perchlorethylene | 120.0 to 122.0 |
| Ethyl Chloride | 12.2 to 12.6 |
| Ethylene Dichloride | 82.0 to 84.7 |
| Beta-Trichlorethane | 118.8 to 113.3 |
| s-Tetrachlorethane | 146.3 |
| Pentachlorethane | 161.9 |
| Hexachlorethane | 185 (sublimes) |

Concise information about these products listed is given in the technical bulletin—send for a copy.

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**Mercurials.**—Prices on hard mecurials were advanced last week and an upward revision in quotations on soft mercurials was expected to be made this week. Corrosive sublimate was advanced 12c. per pound; calomel, 15c.; red oxide of mercury, 20c.; yellow oxide of mercury, 20c.; white precipitate, 15c. These advances reflected the very severe rise in the cost of domestic quicksilver.

**Methyl Acetone.**—The general situation was such as to make this market tend toward firmer position. However, conditions that might be productive of an advance in prices were more potential than real and hence the market last week continued in very steady fashion.

**Morphine.**—It was felt that not withstanding the war in Europe, shipments of raw material would be made in quantities sufficient to prevent the development of any shortage of raw material. The cost of transport, however, has already risen as the result of present ocean freight and war risk insurance rates.

**Quicksilver.**—Quotations were $125 to $130 per flask. That was the price the West Coast reported as paid already. Reports of such purchases were confirmed in the East. The reports here indicated that in the main, consumers were more active in seeking goods. Some attempts to purchase may have been made by interests disposed to consider a speculation in a raw material of special importance in war times. The last quotations on European quicksilver were $97.50 per pound, duty paid. New York city but it was a nominal price in the absence of cables.

SAN FRANCISCO, Sept. 5.—Quicksilver's sensitiveness to war operations boomed the market upwards over the week-end, with metal reported sold in New York today at $110 per flask for account of local operators, following earlier business reported at $104. Metal was reported involved in a San Francisco transaction Saturday at an even $100. There has been a rush of inquiry from consumers anxious to cover with sellers holding out, anticipating higher prices and refusing to sell ahead on contract. The market is reported to be practically bare of spot supplies and mines have been given the signal to go ahead on production at top speed.

**Quinine.**—The market was very steady. Trade was present in good volume and the business was taken on the basis of prices said to be fully firm. The rising rate on marine freight and the higher rates on war risk insurance were considered factors making for increase in the general strength of this market.

**Rochelle Salt.**—Since the cost of raw material is rising because of the advance in ocean freight rates and the cost of war risk insurance, the undertone to the market for this material was, on the whole, firmer in all respects. Demand was about normal.

**Santonin.**—Fireworks in the market for this article have burned out. However, all the recent advance in prices has been maintained. Many in the trade wondered what had become of the English member of the recently established cartel comprised of English, German and Russian factors. Since the head office of the cartel is in Stockholm, Sweden, possibly the war has not disrupted the English-German association, it was suggested.

**Seidlitz Mixture.**—The market was firmer because the cost of raw material has been raised by the advance in ocean freight and war risk insurance rates. Also, a very fair and stable request was an element counting in the firming up of the market.

**Silver Nitrate.**—The schedule of prices since the last report prevailed as fol-

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CHEMICALLY PURE—B. P.
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lows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

| | Per ounce | | |
|---|---|---|---|
| | | Bullion | |
| | Nitrate. Cents. | New York. Cents. | London. Pence. |
| Saturday | 27¼ | 35½ | 19⅝ |
| Monday | † | † | * |
| Tuesday | 27¼ | 35½ | 20⅝ |
| Wednesday | 27¾ | 36¼ | 21⅛ |
| Thursday | 28 | 36⅜ | 21⅛ |
| Friday | 28 | 36⅜ | 21⅛ |

* Market closed.
† Holiday.

## Proprietary Medicine Exports Decline Sharply During July

Proprietary medicines amounting to $667,283 in value were exported from the United States during July, 1939, according to the Bureau of Foreign and Domestic Commerce. Exports in the previous month, June, totaled $761,281. The value of the various classes of products exported in June was as follows:—

| Classification. | Value. |
|---|---|
| Mouth washes and gargles | $39,251 |
| Corn and foot remedies | 8,410 |
| Plasters | 45,448 |
| Liniments | 7,134 |
| Salves for burns, cuts and skin diseases | 33,878 |
| Salves for coughs, colds and catarrh | 67,024 |
| Cold, cough and bronchial preparations | 68,541 |
| Catarrh, asthma, and hay fever preparations | 13,268 |
| Malaria and chill preparations | 4,721 |
| Tonics and blood purifiers | 132,771 |
| Laxatives and purgatives | 83,683 |
| Milk of magnesia | 20,125 |
| Digestive preparations | 10,640 |
| Headache, neuralgia, and pain remedies | 8,534 |
| Other proprietry medicinals | 113,,760 |

## Vegetable Oil as Lamp Fuel Being Tried in India

*London, Aug. 29, 1939*

Experiments are being made on behalf of the Government of Bombay, India, in connection with the substitution of vegetable oils for kerosene which is used for lighting in 700,000 Indian villages and in hundreds of the smaller towns as well. Should the experiments prove successful and vegetable oil lamps become popular, the vegetable oil industry would be provided with an immense new market, since about 182,000,000 gallons of coal oil are consumed as lamp fuel in India per annum.

## Toilet Preparations Exports In July Tabulated

The value of United States exports of toilet preparations during July, 1939, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

| Classification. | Value. |
|---|---|
| Dental creams | $130,546 |
| Other dentifrices | 7,905 |
| Talcum powder in packages | 49,562 |
| Face and compact powder | 28,678 |
| Cold creams | 19,528 |
| Vanishing creams | 12,394 |
| Other creams, lotions and balms | 25,709 |
| Rouges | 15,249 |
| Lipsticks | 39,186 |
| Other cosmetics | 14,900 |
| Manicuring preparations | 42,746 |
| Depilatories and deodorants | 8,516 |
| Hair preparations | 52,477 |
| Perfumery and toilet waters | 9,342 |
| Other toilet preparations | 31,186 |

## Twenty-five Years in Business

**George W. Merck, president of Merck & Co., chemical manufacturer, Rahway, N. J., and this city, reached the twenty-fifth anniversary of his connection with the company September 8, 1939. He has been president of the company since 1925, when he succeeded his father, the late George Merck, who resigned because of ill health.**

## *Chain Drug Companies Surveyed by SEC*

*—Continued from page 5*

plus reconciliations, totals of selected expense items, and financial and operating ratios.

The combined volume of business reported by the thirteen corporations was $155,000,000 in their fiscal years ended on or about December 31, 1937; $144,000,000 in 1936; and $129,000,000 in 1935. Their combined balance sheet assets at book value totaled $58,000,000 in 1937, $50,000,000 in 1936, and $46,000,000 in 1935. Their combined reported profit after all charges, including nonoperating gains and losses, prior claims, interest, and income taxes, was $5,800,000, or 3.7 percent of sales, in 1937; $6,600,000, or 4.8 percent, in 1936; $5,400,000, or 4.2 percent in 1935. Dividends paid out by the thirteen corporations aggregated $8,600,000 in 1937, $5,300,000 in 1936, and $3,400,000 in 1935. Stockholders' equity, as indicated by the total book value of capital stock and surplus, was $47,000,000 in 1937, $39,000,000 in 1936, and $37,000,000 in 1935.

Copies of this report of fifty-eight pages—identifiable as No. 30 in the census—may be procured from the Securities and Exchange Commission at a cost of $5.80 each.

**F. L. Cole** is erecting a $10,000 laboratory building at 50 South San Gabriel street, Pasadena, Calif.

**Peruvian imports** of face powders, pomades, lotions and dentrifices totaled 67,355 kilograms, of which the United States shipped 19,013 kilograms.

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# BOTANICAL DRUG SUPPLIES . . .

THE European war has found stocks of foreign Botanical Drugs in America below normal—as is natural at this season of the year. New crop supplies, generally considered, arrive during September-October-November.

Inasmuch as our entire line consists of raw natural materials and basic products, no manufacturing processes can replace existing stocks. Additional supplies must come, if at all, from foreign sources of production.

So far as stocks in hand permit, our first efforts will be directed toward filling the needs of present customers. We shall be glad to supply other requirements wherever possible.

Through our extensive foreign connections, we are quite certain to obtain additional supplies whenever it is possible to get them. Efforts are already being made to locate new sources for many products in instances where regular producers can no longer function.

Orders and inquiries for botanical drugs, and allied raw products, will be given most careful attention and we shall look after such needs in the best possible manner under present conditions.

We recommend the use of telephone or telegraph as stock positions are subject to change over-night.

## S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK 1228 W. KINZIE STREET, CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE


### Merck & Co. Points Out Adequacy of Chemical Industry

With a purpose of setting at rest misgivings already becoming evident with respect to supplies of pharmaceutical and other special chemicals under the influence of war conditions in Europe, Merck & Co., manufacturing chemists, Rahway, N. J., has addressed the following communication to the consuming trades:—

The unfortunate catastrophe that has again befallen Europe finds the American chemical industry in a far better position than it was twenty-five years ago. In 1914, this country was dependent upon European sources for many of its basic drugs and pharmaceutical chemicals, and the situation immediately following the commencement of hostilities was a most difficult one.

The foresight of leaders in the industry and the recognition by our government of the necessity of American independence from foreign sources made possible the development of the domestic chemical industry, and its expansion in the years which followed has resulted in an industry that is well-nigh independent.

The intervening years have seen a well planned program of chemical research and development adopted in this country—a program in which Merck & Co. has taken part—and the result has been that the various branches in the chemical field are in a much more advantageous position.

So far as we are concerned, we intend to do everything possible to maintain the normal level of trade conditions, and we hope our friends will cooperate with us in this endeavor.

We join with all other Americans in the fervent hope that an early solution of the European difficulties will be accomplished.

### Columbus Pharmacal Patents Colloidal Aluminum Hydroxide

United States patent No. 2,166,868 covering a "new and useful improvement in colloidal aluminum hydroxide" has been acquired by the Columbus Pharmacal Company, Columbus, Ohio, by assignment from Harold W. Jones, to whom the patent was issued.

The Columbus Pharmacal Company utilizes colloidal aluminum hydroxide in a number of pharmaceutical specialties. Its rights with respect to this material are defined by the claims in the Jones patent as follows:—

1. As a new composition of matter, a dry, pulverized antacid medicinal material consisting essentially of partially dehydrated aluminum hydroxide precipated in the presence of a water-soluble protective organic colloid and having a relatively small amount of said colloid adhering thereto, said aluminum hydroxide being capable, when said dry material is mixed with water, of reverting to a gelatinous state similar to that of freshly precipitated aluminum hydroxide, and possessing marked acid-absorbing power.

2. The invention defined in claim 1, wherein said water-soluble organic colloid is a gum.

3. The invention defined in claim 1, wherein said water-soluble organic colloid is starch.

4. The invention defined in claim 1, wherein said water-soluble organic colloid is gelatin.

5. The process of making a partially dehydrated aluminum hydroxide capable, upon being mixed with water, of assuming a gelatinous state similar to that of freshly precipitated aluminum hydroxide, which comprises precipitating aluminum hydroxide, by means of a suitable basic precipitant, from a water solution of an aluminum salt also containing a relatively small amount of soluble organic protective colloid, separating the resultant gelatinous precipitate and drying it at a temperature sufficiently high to affect partial dehydration, and pulverizing the dried precipitate.

6. The process of making a partially dehydrated aluminum hydroxide capable, upon being mixed with water, of assuming a gelatinous state similar to that of freshly precipitated aluminum hydroxide, which comprises precipitating aluminum hydroxide, by means of a suitable basic precipitant, from a water solution of an aluminum salt also containing a relatively small amount of a soluble organic protective colloid, washing the resultant gelatinous precipitate substantially free from soluble salts, drying it at a temperature approximately 40° C., and pulverizing the dried precipitate.

### Packaging Institute to Meet In Chicago October 19-20

The Packaging Institute will hold its first annual meeting in the Edgewater Beach hotel, Chicago, October 19-20. William M. Bristol, jr., of Bristol-Myers Company, this city, president of the institute, asked that companies in the packaging field send representatives to the meeting. Mr. Bristol stated that the institute, which now comprises packaging production, machinery and supplies divisions, is considering the formation of a fourth, or designers division.

### *N.W.D.A. Convention Program Prepared*

*—Continued from page 5*

Mr. John N. Pratt, Secretary, Committee to Conserve Constitutional Government, New York City.

**2:30 p.m.**

**Auditorium**

Informal meeting of wholesale druggists only, Charles A. Loring, chairman, presiding.

1938 Operating survey of service wholesale druggists; H. J. Ostlund, director of statistical section and professor, School of Business Administration, University of Minnesota. The report will be presented in summary form only and complete copies distributed.

Committee on credits and collections, E. P. Ellis, chairman. This will be presented as a summary followed by distribution of copies of the complete report.

Committee on salesmen and selling methods, J. L. Freeman, chairman. The following addresses will constitute the report of this committee; the speakers will be introduced by Chairman Freeman:—

Time and Duty Analysis, Wholesale Drug Salesmen, by Prof. H. C. Nolen, School of Business Administration, Ohio State University.

Report of Salesmen's Compensation Survey, by Prof. Theodore N. Beckman, School of Business Administration, Ohio State University.

Committee on employment and welfare problems, Charles D. Doerr, chairman. The report will be presented in abstract form and an opportunity afforded for discussion.

Discussion of current problems in the wholesale drug industry.

**Ballroom**

Informal meeting of manufacturers only, Charles Luckman, chairman, presiding.

General discussion of distribution costs, and methods.

### Tuesday, September 26

**10:00 a.m.**

**Auditorium**

Call to order.
Election of new members.
Treasurer's report.

The Unfair Trade Practice Acts and their relation to distributors in the Drug Industry to be presented in summary by W. F. Allen, counsel for the N.W.D.A.

Outlook for the Trained Pharmacist of the Future, Dean Ivor Griffiths, Philadelphia College of Pharmacy and Science.

Relations of the drug trade press to the distributors in the drug industry, Hugh Craig, Editor, OIL, PAINT AND DRUG REPORTER.

Free Enterprise vs. Regimentation in Drugs and Medicine, John N. Pratt, secretary of Committee to Conserve Constitutional Government.

Presentation of standing committee reports by title or abstract, as follows:—

Committee on employment and welfare problems, Charles D. Doerr, chairman.
Committee on insurance, J. A. Robinson, chairman.
Committee on research and relations, C. O. Mueller, chairman.
Committee on special lines, George Gardner, chairman.
Committee on national legislation, H. C. Halberstadt, chairman.
Committee on proprietary goods, C. C. Caruso, chairman.

### Wednesday, September 27

**10:00 a.m.**

**Auditorium**

Unfinished business from previous sessions.

Report of committee on marketing statistics, V. V. Barnes, chairman, to be presented in abstract form.

Progress of the work of the Druggists' Research Bureau, C. R. Vickland, Minneapolis.

Who Is Selling the Small-Town Markets Today?—Dr. R. F. Cawl, Farm Journal, Philadelphia, Pa.

Report of manufacturers' committee, Charles Luckman, chairman.

New Facts of Special Interest to Producers and Distributors, A. C. Nielsen, A. C. Nielsen Company, Chicago.

Report of committee on time and place.
Election of officers for ensuing year.
Thanks to retiring officers.
Final adjournment.

### 'Hot Oil' Investigative Unit Established in Michigan

*OPD Washington Bureau*
*September 6, 1939*

Secretary of the Interior Harold L. Ickes announced today that an investigative office under the Connally law will be established at Lansing, Michigan, to assist the Commission of Conservation in the administration of act No. 61, approved by Governor Dickinson on May 3, 1939. The office at Lansing will be in charge of Examiner John I. Watson, now with Federal Tender Board No. 1 at Kilgore, Texas.

# Botanical Drugs, Spices, and Gums

**Heavy Buying Movement Sweeps Spot Prices Higher—Dealers Seek To Conserve Botanical Stocks—European Supplies at Low Ebb—Future Hinges on Replacements**

Heavy buying poured into the local botanical drug market last week. Manufacturing consumers looked abroad to see war raging in Europe. And, knowing that the majority of foreign botanicals come from areas directly affected by military operations, they telegraphed, telephoned, and wrote spot dealers, placing large orders for prompt delivery goods.

The heavy demand came at the worst possible time. Botanicals arrive on this market from Europe during the months of September, October and November, having been collected and prepared for export since Spring. Practically all Summer, Europe has had 12,000,000 men mobilized and collectors of botanicals have been with the colors, not in the fields.

Even the small collection achieved is now practically cut off from this country by the war Germany wages against the British Empire, France and Poland. Therefore, the future of supplies is uncertain and will depend on conditions over which botanical drug importers in this country have no control.

Stocks actually in the country are the only stocks upon which buyer or seller can place sure dependence. The botanicals that reach here will show a cost raised substantially by foreign scarcity, a scarcity which European shippers will evidence by steadily raising their prices. Furthermore, ocean freight and war risk insurance rates will continue to rise. It is impossible to get either cargo space of insurance from some ports even now.

Under the above combination of conditions, local dealers at this time cannot know the replacement cost of botanical drugs. They only know that it will be higher and higher as time passes. They also know that shortages of stocks and exhaustion of supplies cannot be overcome by manufacturing processes: botanicals must be grown and collected and shipped; they do not come out of the maw of some Gargantuan machine.

Therefore, it has become necessary for botanical dealers to conserve their stocks for the greatest good of the largest number. Last week they raised their prices, often solely to check spot demand for numerous items. As time passes and the replacement situation becomes more clearly defined, readjustments will be made and eventually a dependable level of prices will be established. Until replacement costs be established, and, even more important, until the size of foreign botanical stocks is known, and shipments assured, values may be expected to fluctuate almost constantly.

A trying period spreads ahead. But botanical drug importers are determined to keep prices as reasonable as the foreign situation will permit.

Entries of botanicals at the port of New York since the week of January 1, 1939, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

| | Bags | |
|---|---|---|
| | Detained. | Entered. |
| Anise | .... | 1,008 |
| Belladonna | .... | 220 |
| Caraway | 1,864 | 21,859 |
| Cardamom (cases) | 32 | 1,054 |
| Celery | .... | 1,339 |
| Coriander | 195 | 10,442 |
| Cumin | 278 | 2,975 |
| Digitalis leaves (cases) | .... | .... |
| Dill | .... | 893 |
| Fennel | 315 | 1,401 |
| Henbane leaves (bales) | .... | 126 |
| Mustard | .... | 15,554 |
| Poppy | .... | 23,417 |
| Sage leaves (bales) | .... | 1,237 |
| Sesame | 1,846 | 14,587 |
| Stramonium | 299 | 389 |
| Thyme | 40 | 1,041 |

## Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Arnica flowers, 8c. per lb.
Aconite root, 13c. per lb.
Althea root, cut, 8c. per lb.
Belladonna, leaves, 14c. per lb.
root, 16c. per lb.
Barberry bark of root, 10c. per lb.
Buckthorn bark, whole, 3c. per lb.
cut and sifted, 4c. per lb.
Burdock root, 2c. per lb.
Calamus root, bleached, 12c. per lb.
Cinchona bark, USP quill, 10 inch, 20c. per lb.
20 inch, thick, 15c. per lb.
20 inch, medium, 15c. per lb.
broken, 3c. per lb.
Chamomile flowers, Hungarian, 3c. lb.
Roman, 4c. per lb.
Dandelion root, 8c. per lb.
Doggrass root, cut, 7c. per lb.
Ergot, 50c. per lb.
Gentian root, whole, 4c. per lb.
ground, 5½c. per lb.
powdered, 6½c. per lb.
Golden seal root, whole, 25c. per lb.
powdered, 25c. per lb.
Henna leaves, whole, 4c. per lb.
powder, 6c. per lb.
Henbane leaves, 4c. per lb.
Jalap root, whole, 1½c. per lb.
powdered, 2c. per lb.
Lavender flowers, select, 10c. per lb.
medium, 10c. per lb.
ordinary, 10c. per lb.
Lycopodium, 60c. per lb.
Manna flake, large, 12c. per lb.
small, 12c. per lb.
Papain, powdered, 10c. per lb.
Peppermint leaves, foreign, 50c. per lb
Pichi leaves, 4c. per lb.
Rhubarb root, whole, 5c. per lb.
powdered, 5c. per lb.
Sarsaparilla root, Mexican, 3c. per lb.
Senega root, 3c. per lb.
Serpentaria root, 6c. per lb.
Saffron flowers, Mexican, 13c. per lb.
Spanish, $6 per lb.
Stramonium leaves, 5c. per lb.
Soap bark, whole, 6½c. per lb.
crushed, 11c. per lb.
cut, 15c. per lb.
powdered, 5c. per lb.
Valerian root, 6c. per lb.
Vanilla beans, Bourbon, 50c. per lb.
Mexican, whole, 50c. per lb.
cuts, 50c. per lb.
South American, 50c. per lb.

**Reduced**

None

## Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| **144.2** | **126.2** | **125.8** | **121.8** |

Market news that may have developed after this report was sent to press will be found on page 4.

## Balsams

**Copaiba.**—Para balsam was advanced to 26c. to 26½c. per pound and Para went to 27c. to 27½c. per pound, being the result of a rise in replacement cost.

**Peru.**—Shipment quotations rose and spot values followed to the cost of 70c. to 75c. per pound.

## Barks

**Barberry.**—Root bark advanced to 23c. to 24c. per pound and the position of tree bark was nominal because of a lack of stocks. Foreign shippers did not offer.

**Buckthorn.**—No more cut and sifted material is likely to come out of Germany and hence sellers protected spot stocks by raising quotations to 13c. to 14c. per pound. Whole bark comes from Russia and some may get out eventually but the market advanced to 9c. to 10c. per pound.

**Cinchona.**—Replacements were higher and exports from Holland were possible only under a permit. U.S.P. 10 inch quill was advanced to 70c. to 75c. per pound; 20 inch, thick, 75c. to 80c.; 20 inch medium, 70c. to 75c.; U.S.P. broken, red or yellow, 28c. to 30c.

**Orange Peel.**—Anticipating shortage in spot stocks, prices were advanced by dealers to 10c. to 24c. per pound for bitter and to 17c. to 27c. for sweet peel.

**Soap.**—Cut bark comes from Germany and hence shipments have stopped. Spot prices rose to 24c. to 28c. per pound. Crushed bark is made here from whole bark obtained from South America; it was advanced to 22c. to 23c.; whole bark, up to 17c. to 18c.

## Beans

**Calabar.**—Fearing inability to replace, conservation was the rule among spot holders and prices were raised to 20c. to 24c. per pound.

**Vanilla.**—The international situation was responsible for a rise in prices to the following basis:—Bourbons, $6 to $6.50 per pound; Mexican, whole, $6 to $6.50; cuts, $5.75 to $6; South Americans, $5.75 to $6. Puerto Rivanian beans are being offered in very small quantity on this market, being a new venture on the island.

## Berries

**Juniper.**—Gin makers face trouble in getting replacement stocks out of the primary market, this because of the war. Quotations on spot were higher at 9c. to 19c. per pound as to quality.

**Raspberries.** — Dried berries were raised to 55c. to 60c. per pound.

**Sloe.**—Makers of sloe gin face a higher cost for sloe berries; the market was advanced to 19c. to 22c. per pound because of uncertainty regarding replacement shipments from abroad.

## Flowers

**Arnica.**—Not knowing when further supplies can be shipped from abroad. Local dealers advanced the market to 35c. to 75c. per pound, ranging according to seller. This was a protective measure and prices will be readjusted according to the development of the foreign position of the item.

**Chamomile.**—Hungary is the source and it may prove difficult to get further supplies. Local quotations were forced to 30c. to 35c. per pound as to quality. Roman flowers, originating in Belgium, were sympathetically higher at 32c. to 40c.

**Safflower.**—All Near East products were higher and this item rose to 30c. to 60c. per pound, ranging according to dealer.

**Saffron.**—Mexican products were generally higher at the source and spot quotations were raised to 38c. to 42c. per pound. Spanish material was revalued upward sharply to $34 to $35 because of the foreign setup.

## Gums

**Arabic.**—War in Europe ended an orderly spot market and turned the local arena into the site where a scramble to buy caused many sellers to withdraw quotations entirely and to confine their sales to regular customers. In the absence of general quotations, the market picture was something like this:—Amber sorts, 13c. to 14c per pound; white sorts, No. 1, 25c. to 35c.; No. 2, 24c. to 34c.; powder, 15c. to 18c. Except for the outside of the above ranges, the quotations were nominal.

**Benzoin.**—Sumatra gum was stronger in sympathy with the general market position. Quotations were 19c. to 20c. per pound.

**Camphor.**—Just why Japanese camphor should be advanced because of a war in Europe was a question, but advanced it was and slabs as well as powder were quoted 55c. to 56c. per pound; tablets, 60c. to 61c. Quotations on powdered synthetic camphor advanced to 50c. to 52c. per pound as to quantity; tablets, 63c. to 65c. The new quotations on synthetic camphor apply only on new business. Former buyers are still paying the previous schedule. The quotations on technical synthetic camphor remain unchanged.

**Mastic.**—All prices were withdrawn until such time as replacement conditions shall become clearer.

**Sandarac.**—Sales were made at 35c. per pound and the market was nominal thereat at the end of last week.

**Tragacanth.**—Because of the uncertainty of transport from the source, and also of actual replacement cost that includes ocean freight and war risk insurance rates, prices were withdrawn and the market was strictly nominal.

## Herbs and Leaves

**Belladonna.**—Since further arrivals from abroad were uncertain, protection of domestic requirements brought a rise of spot quotations to 26c. to 28c. per pound.

**Digitalis.**—With foreign sources shut off now, domestic production must supply home requirements. The market advanced to 40c. to 45c. per pound.

**Henna.**—Shipments from the source felt the effect of war that has virtally closed the Mediterranean sea. Spot quotations rose under good demand, whole leaf going to 12c. to 12½c. per pound and powder rising to 16c. to 17c.

**Henbane.**—Spot stocks will have to be stretched since further shipments from abroad were uncertain. Quotations were higher at 18c. to 19c. per pound.

**Pichi.**—Prices were advanced to 20c. to 28c. per pound. For months, offerings from the source have been almost nil. Spot stocks were very small and concentrated in a few hands.

## Miscellaneous

**Colocynth Pulp.**—The market was advanced to 30c. to 33c. per pound and closed on the strong side.

**Ergot.**—Not a cable has been received from Spain. Polish ergot has been eliminated by the war and Spain together with Portugal must supply the world. Spot quotations rose to $2 to $2.10 per pound with little being offered.

**Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7**

Professionally Milled
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Aloes, Aniseed, Buchu Leaves, Chamomile, Elm Bark, Ergot, Fennel Seed, Irish Moss, Lavender, Myrrh Gum, Papain, Quince Seed, Saw Palmetto, Senna Leaves, Tragacanth
The Earth Contributes AND J.L.HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, GUMS, LEAVES & SEEDS, WHICH ARE USED FOR MEDICINAL PURPOSES: WHOLE, GROUND OR POWDERED
J. L. HOPKINS & CO.
220 BROADWAY • NEW YORK CITY

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

ARABIC TRAGACANTH KARAYA
LOCUST BEAN GUM
FRANK-VLIET CO., Inc.
Specialists in GUMS
160 Water Street New York

**Lycopodium.**—Sellers conserved stocks knowing full well that none will be available in Poland for the duration of the war. Prices advanced to $1.75 to $1.95 per pound.

**Manna.**—Italian shippers had higher views and failed to offer firm. Quotations on large flake were higher locally at 60c. to 65c. per pound; small flake, 40c. to 45c.

**Papain.**—Local quotations were raised to $1.20 to $1.30 per pound for powder, this being in line with the generally advancing market on most of all Far Eastern produce.

## Roots

**Aconite.**—The market became 38c. to 40c. per pound and the rising trend of replacement cost was expected to extend the advance.

**Belladonna.**—The market was 33c. to 34c. per pound as to seller and test of goods offered. Shortage may result from the small collection made in Europe to the time war began.

**Dandelion.**—Quotations at 22c. to 24c. per pound were based mainly on Russian root. None would quote on German material and none of that item was expected to come on the market this year.

**Gentian.**—Stock food manufacturers paid 10c. to 12c. per pound for whole, 13c. to 15c. for ground, and 15c. to 17c. for powdered material—all because of the endangerment of further European exports.

**Golden Seal.**—Whole was priced at $3.50 to $3.55 per pound; powder, $3.85 to $3.90. The strength that advanced prices was one sympathetic to the general rise in all botanical drug prices.

**Valerian.**—The market was 18c. to 27c. per pound and a highly uncertain affair because of the doubt surrounding the ability of the primary market to ship normal quantities to the spot.

## Seeds

**Anise.**—Prices were strong and advancing, Spanish selling at 20c. to 25c. per pound and star bringing 18c. to 19c.

**Colchicum.**—Quotations were 25c. to 36c. per pound and while demand was narrow, so were stocks and replacements were uncertain.

**Flea.**—French was higher at 14c. to 16c. per pound and India seed was raised to 8½c. to 9c.—both advances being caused by the war.

**Larkspur.**—Quotations at 40c. to 45c. per pound reflected conservative of spot supplies and concern regarding ability of dealers to get normal replacements.

**Lobelia.**—A slight advance made the market 35c. to 36c. per pound and the undertone was firm following the rise.

**Sabadilla.**—Although out of demand at the moment, stocks were light and powdered goods were advanced to 20c. to 23c. per pound in anticipation of eventual drain of supplies.

**Stavesacre.**—Quotations were 25c. to 30c. per pound, the result of concern over the ability of dealers to replace their present stocks.

**Strophanthus.**—The market was minimum at $1.95 to $2 per pound. When spot stocks are sold, nothing more will probably be obtained abroad; London has been bare of supplies for weeks.

## Spices

**Cassia.**—All shipment prices were higher and so were spots. The market was:—Batavia, 17c. to 18c. per pound; shortstick, 13c. to 14c.; China rolls, select, 10c. to 10½c.; broken select, 10½c. to 11c.

**Clove.**—Costs to import were higher and spot quotations rose to 22c. to 24c. per pound on Zanzibar spice, and to 20c. to 21c. for the item grown in Madagascar.

**Ginger.**—The market was higher, closing as follows:—African, 6½c. to 7c. per pound; Cochin, 9c. to 9½c.; Jamaica, bold, 12½c. to 13c.; medium, 6½c. to 7c.; bright grinding, 7¾c. to 8c.

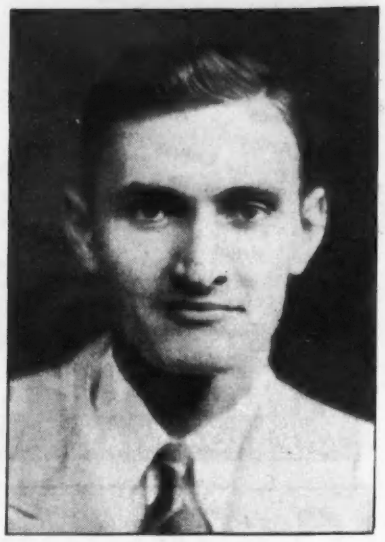
**Pepper.**—The local quotations on black Alleppey were higher at 8½c. to 9c. per pound; Lampong, 4¼c. to 4½c.; Tellicherry, 8½c. to 9c.; red chillies, Japanese, 22c. to 23c.; Mombassa, 25c. to 26c.; white, Java Muntok, 8½c. to 9c.; Saigon, 8c. to 8½c.

Trading in black pepper futures on the New York Produce Exchange from September 2 to September 8, inclusive, comprised 394 contracts, a total of 13,238,400 pounds. Following is a price record for the week:—

| | Cents per pound— | | |
|---|---|---|---|
| | High. | Low. | Close. |
| January | 4.25 | 4.20 | 4.19@4.25 |
| February | 4.50 | 4.11 | 4.20@4.27 |
| March | 4.60 | 3.68 | 4.26@4.30 |
| April | 4.30 | 4.28 | 4.30@4.33 |
| May | 4.70 | 3.82 | 4.35 sale |
| July | 4.80 | 3.83 | 4.40@4.50 |
| August | 4.78 | 4.66 | 4.43@4.55 |
| September | 4.15 | 4.15 | 4.07@4.20 |
| October | 4.25 | 4.25 | 4.12@4.20 |
| November | 4.35 | 4.23 | 4.16@4.18 |
| December | 4.37 | 3.50 | 4.16@4.20 |

## Dr. Oberg Joins Research Staff of Central Soya Co.

Dr. E. B. Oberg, Chicago, has joined the technical staff of McMillen Feed Mills, Inc., and the Central Soya Company, Fort Wayne, Ind. He will be in charge of the research and development laboratories in Decatur, Ind., under technical director Norman F. Kruse. Dr. Oberg has previously been associated with the research departments of the Glidden Company, Chicago, and of the U. S. Gypsum Company.



Dr. E. B. Oberg

The Central Soya Company, large processor of expeller and extracted soybean oil meal and soybean oil, operates a plant in Decatur and has a new plant under construction in Gibson City, Ill.

## *TAPPI to Meet In Syracuse Sept. 12*

*—Continued from page 4*

Hypochlorite," by F. W. O'Neil, of the New York State College of Forestry, and John Rue, of the Hooker Electro-Chemical Company.

"The Development of a Quantitative Technique for the Evaluation of Color Stability of Bleached Pulps and the Influence of Natural Aging and Drying upon this Evaluation," by J. W. McIntyre, of the Institute of Paper Chemistry.

"Some Observations on the Bleaching of Kraft Pulps," by W. A. Chilson, of the Hooker Electrochemical Company.

"The Fluorescence Size Test, Improved Method and a New Instrument for Measuring the Water Resistance of Paper," by J. A. VanDenAkker, Philip Nolan, of the Institute of Paper Chemistry; A. C. Dreshfield and H. F. Heller, of the Hercules Powder Company.

"The Effect of Particle Size on the Efficiency of a Rosin Suspension as Measured by the Retention of Rosin and the Degree of Sizing Imparted to Paper," by Firth Dennett and C. E. Libby, of New York State College of Forestry.

"Effect of Filler Brightness on Lined Board Brightness," by W. R. Willets, R. T. Bingham and L. H. Eriksen, of the Titanium Pigment Corporation.

"A study of Calcium Carbonate, Clay, Casein Coating Mixtures Affecting Certain Sheet Characteristics," by A. E. Hughes and H. F. Roderick, of the Michigan Alkali Company.

## Casein Manufacturing Methods Studied by India

*OPD Washington Bureau*
*September 7, 1939*

Efforts are being made at the imperial Dairy Institute, Bangalore, to improve and standardize the current method of casein manufacture which, while applicable to village conditions, would produce a fairly high grade casein. Due to the crude manufacturing process employed, domestic production of casein is still of a low grade, according to advices received by the Department of Commerce from the office of the American trade commissioner in Calcutta.

The products manufactured by precipitation methods employing rennet, lactic and mineral acid coagulation, have been analyzed and combined for color and binding capacity. During these researches, it had been observed that a good quality casein of white color can be made by washing the curd three times with warm water, followed once with cold water, and then drying it in the shade. Lactic casein of fair quality and of light ivory shade can be made, but the quality and color could not be improved by washing the soft green curd. The cost of production has been found too high in the case of rennet casein and very low for lactic casein. The binding capacity of rennet casein was nearly two and one-half times that of acid and lactice caseins.

## *Some Price History*

*—Continued from page 3*

### *Dyestuffs, Textile, Leather Chemicals*

| | Price in 1913. | War period high and date. | | Price July 1, 1939. |
|---|---|---|---|---|
| Cochineal | .45 | 1.00 | (Nov., 1918) | .35 |
| Cornstarch | 3.17 | 9.00 | (June, 1918) | 2.50 |
| Fustic, ext., solid | .08 | .55 | (Jan., 1916) | .17½ |
| Logwood ext., solid | .06 | .90 | (Jan., 1916) | .15 |
| Myrobalans | 28.00 | 68.00 | (Feb., 1917) | 25.50 |
| Potash bichromate | .06¾ | .50 | (Sept., 1917) | .08⅞ |
| Sodium bichromate | .04⅝ | .35 | (Dec., 1919) | .60⅞ |
| Sumac, ground | 15.00 | 150.00 | (Feb., 1919) | 66.00 |

### *Paint, Varnish, and Lacquer Materials*

| | Price in 1913. | War period high and date. | | Price July 1, 1939. |
|---|---|---|---|---|
| Barytes | $19.00 | $40.00 | (Aug., 1920) | $22.85 |
| Carbon black | .04 | .40 | (May, 1918) | .03¾ |
| Chrome yellow | .11 | .35 | (March, 1918) | .14½ |
| Copal, Manila | .15 | .20 | (May, 1920) | .08¼ |
| Dammar, Batavia | .20 | .60 | (March, 1920) | .11⅞ |
| Iron blues | .30 | 1.50 | (July, 1917) | .36 |
| Red lead | .07 | .13 | (July, 1917) | .07¾ |
| Rosin | 3.95 | 20.00 | (May, 1920) | 5.45 |
| Shellac, T.N. | .21½ | 1.60 | (Jan., 1920) | .09½ |
| Turpentine | .45 | 2.65 | (April, 1920) | .34½ |
| White lead | .05¾ | .11 | (July, 1917) | .07¼ |
| Zinc oxide, Fr., red seal | .07 | .17½ | (April, 1917) | .07½ |

### *Oils, Fats, and Waxes*

| | | | | |
|---|---|---|---|---|
| Beeswax, Afr. | .34 | .47 | (Nov., 1918) | .19½ |
| Candelilla | .22 | .57 | (June, 1918) | .15½ |
| Carnauba, N.C. 3 | .53 | .81 | (June, 1918) | .31 |
| Chinawood oil | .07¼ | .32 | (July, 1918) | .20 |
| Coconut oil | .11 | .20¼ | (July, 1919) | .03⅝ |
| Corn oil, crude | .05¾ | .20¾ | (Jan., 1920) | .06½ |
| Cottonseed oil, crude | .05⅝ | .22½ | (June, 1919) | .05⅝ |
| Japan wax | .09 | .27½ | (Sept., 1918) | .11¼ |
| Lard | .10½ | .35½ | (June, 1919) | .06¼ |
| Lard oil, No. 2 | .52 | 1.50 | (Sept., 1918) | .08¾ |
| Linseed oil | .46 | 2.22 | (July, 1919) | .0880 |
| Neatsfoot oil, 20 deg. | .96 | 3.50 | (June, 1918) | .14¾ |
| Olive oil, denat. | .83 | 3.50 | (Jan., 1919) | .82 |
| Perilla oil | *... | .26 | (Aug., 1919) | .1020 |
| Red oil, dist. | .06 | .20½ | (June, 1919) | .06½ |
| Sardine oil | *... | 1.23 | (Jan., 1918) | .34 |
| Soybean oil | .06⅜ | .20½ | (July, 1918) | .05½ |
| Stearic acid | .08¾ | .30 | (June, 1919) | .10 |
| Tallow | .06⅞ | .21 | (July, 1919) | .04⅞ |

* No prices.

### *Drugs and Fine Chemicals*

| | | | | |
|---|---|---|---|---|
| Alcohol, ethyl | 2.50 | 5.60 | (Oct., 1917) | 4.46 |
| Bismuth subnitrate | 1.80 | 3.20 | (April, 1918) | 1.23 |
| Calomel | .69 | 2.00 | (July, 1918) | 1.52 |
| Castor oil | .09⅝ | .30 | (Aug., 1918) | .08 |
| Corn syrup | 2.31 | 6.39 | (Aug., 1917) | 3.07 |
| Cream of tartar | .24¾ | .68½ | (July, 1918) | .22¾ |
| Epsom salt | 1.05 | 4.37½ | (June, 1917) | 1.80 |
| Iodine, resub. | 3.55 | 4.50 | (Aug., 1919) | 1.75 |
| Glycerin, dynamite | .19¾ | .70 | (Oct., 1917) | .12¾ |
| Menthol | 4.10 | 14.00 | (Jan., 1920) | 2.95 |
| Quicksilver | 40.50 | 140.00 | (Feb., 1917) | 88.00 |
| Quinine sulphate | .23 | .90 | (May, 1918) | .61 |
| Santonin | 26.00 | 175.00 | (May, 1920) | 30.00 |
| Thymol | 1.65 | 17.50 | (Nov., 1917) | 1.40 |
| Vanillin | 5.28 | 14.40 | (Aug., 1918) | 2.10 |

### *Botanical Drugs, Spices, Gums*

| | Price in 1913. | War period high and date. | | Price July 1, 1939. |
|---|---|---|---|---|
| Aletris root | $0.20 | $1.25 | (March, 1920) | $0.37 |
| Belladonna leaves | .16 | 1.65 | (Feb., 1918) | .12 |
| Cascara sagrada | .07¾ | .19 | (Sept., 1918) | .09 |
| Ergot | 1.25 | 5.00 | (Dec., 1919) | 1.35 |
| Golden seal | 4.90 | 5.75 | (April, 1917) | 2.75 |
| Gum arabic | .08½ | .33 | (Oct., 1917) | .10¼ |
| Henbane leaves | .06½ | 2.10 | (July, 1918) | .14 |
| Lycopodium | .42 | 4.75 | (Feb., 1921) | 1.20 |
| Myrrh | .13 | 1.00 | (Feb., 1919) | .39 |
| Rhubarb root | .16 | 1.90 | (Dec., 1919) | .46 |
| Saffron, Spanish | 12.25 | 16.00 | (July, 1918) | 29.00 |
| Senega root | .66 | 2.50 | (Jan., 1920) | .56 |
| Tonka beans | 1.75 | 1.75 | (July, 1919) | 1.35 |
| Valerian root | .09½ | 1.65 | (Jan., 1919) | .13 |
| Vanilla beans, Bourbon | 3.00 | 3.00 | (Aug., 1919) | 5.50 |

### *Essential Oils*

| | | | | |
|---|---|---|---|---|
| Bergamot | 6.00 | 7.50 | (Sept., 1917) | 3.65 |
| Cassia | 1.30 | 3.75 | (Nov., 1918) | .90 |
| Geranium, Alger. | 9.50 | 11.00 | (Nov., 1918) | 2.65 |
| Lavender flowers | 3.75 | 11.00 | (Dec., 1919) | 2.00 |
| Lemon, Italian | 3.75 | 2.00 | (March, 1920) | 3.20 |
| Orange, Italian | 3.75 | 11.00 | (June, 1920) | 1.90 |
| Peppermint | 3.70 | 9.00 | (March, 1919) | 2.30 |
| Spearmint | 4.00 | 13.50 | (Feb., 1920) | 1.70 |
| Wormseed | 2.00 | 11.00 | (July, 1918) | 2.25 |

### *Fertilizer Materials*

| | | | | |
|---|---|---|---|---|
| Ammonia sulphate | 62.00 | 157.00 | (April, 1918) | 28.00 |
| Phosphate rock, Fla. | 3.00 | 12.00 | (July, 1920) | 1.90 |
| Potash, muriate | .80 | 7.30 | (Jan., 1918) | .53½ |
| Sulphate | .94 | 8.00 | (Jan., 1918) | .73⅞ |
| Soda nitrate | 59.00 | 110.00 | (May, 1918) | 27.00 |


New Crop Oil of Dill

This is an outstanding Fritzsche specialty. Employed in seasoning and especially in the pickling of processed dills, it imparts the exact flavor character and aroma of true dill weed from which it is derived. Used in combination with the latter it effects a richer and better rounded flavor than dill weed used alone . . . This year's crop, judging from shipments thus far received, is of excellent grade, but not over plentiful. We believe it advisable, therefore, to negotiate your season's requirements *without delay*.

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# Essential Oils, Aromatic Chemicals

**All Prices Strictly Nominal — Heavy Demand for Essential Oils Floods Spot Market—Values Advanced Steadily—Replacement Costs an Uncertain Element — Stocks Light**

The most important fact in the market for essential oils last week was the nominal position of practically every price in local circles. The European war brought a flood of buyers into the spot market, causing an upheaval of prices generally and making prices firm only at the moment of actual sale. Quotations fluctuated widely from hour to hour, being higher at one time and lower the next, but by the close of the period certain definite advances had been obtained in actual sales and every price was strictly nominal at the close of business on Friday.

Replacement costs were problematical at all times during the period under review. Ocean freight and war risk insurance rates were rising. Availability of cargo space on ships in foreign trade was an unknown factor. Ability of foreign suppliers to maintain a continuous supply of both manufactured and raw material merchandise was hazzardous to estimate. War has mobilized some 12,000,000 men in the armies of the contending powers, reducing the supply of labor in the producing industries. It was still further reduced by the concentration of much available labor in industries essential to the maintenance of the armies in the field.

All of these, together with a tidal wave of consumer demand on spot, combined to make the future of values too uncertain to permit the local trade to make firm quotations. The prices were nominal, sellers were reserved, stocks were less than normal in many instances, and the entire situation was a reversal of influence in the market for a long time.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Almond, sweet, 5c. per lb.
Angelica, seed oil, $5 per lb.
Anise, 7c. per lb.
Capsicum oleoresin, N. F. VI ,10c. per lb.
Caraway, 5c. per lb.
Cassia, 12c. per lb.
Cedarleaf, 2c. per lb.
Citronella, Ceylon, 2c. per lb.
Java, 2c. per lb.
Clove, 30c. per lb.
Eucalyptol, 8c. per lb.
Eugenol, 10c. per lb.
Geranium, Algerian, 15c. per lb.
Bourbon, 25c. per lb.
Juniper, berry oil, 25c. per lb.
Juniper tar, 2c. per lb.
Lemon, California, 25c. per lb.
Messina, 20c. per lb.
Lime, distilled, Mexican, 20c. per lb.
West Indian, 25c. per lb.
expressed, 25c. per lb.
Mace, 5c. per lb.
Menthol, 15c. per lb.
Nutmeg, 5c. per lb.
Orange, expressed, African, 5c. per lb.
California, 15c. per lb.
Messina, 25c. per lb.
West Indies, 12c. per lb.
Palmarosa, 5c. per lb.
Pineneedle, 15c. per lb.
Savin, 15c. per lb.

**Reduced**

None.

### Comparative Values

Index numbers compiled from twenty typical essentials oils on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 76.1 | 73.0 | 70.4 | 69.2 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Essential Oils

**Almond.**—Sweet oil was higher and nominal at 60c. per pound. With France at war, it was feared that production of this oil might be hampered by lack of labor; practically all French military classes have been mobilized. The spot market tended upward.

**Anise.**—U.S.P. oil was advanced and assumed a nominal position at 70c. per pound. The market was hectic, being agitated by a swollen demand, the more influential because of reserve of sellers. It may be some time before a going level of values is established in keeping with world conditions.

**Bergamot.**—The war has made spot quotations nominal since sellers had no way of ascertaining definitely their replacement costs. They were reserved and set prices only on receipt of inquiry.

**Capsicum (Oleoresin).**—Much of this material sold in this country has been imported from Germany. Because of the war all quotations from that source ceased and consequently the entire spot market became nominal so far as dealers were concerned. Prices were noted at $2 and higher per pound.

**Cananga.**—Uncertain of their ability to secure replacements, spot holders declared that quotations for the time being were nominal and subject to change virtually on each inquiry.

**Caraway.**—Shipments from the primary market were highly uncertain and hence the tendency was to conserve spot stocks by raising prices and to maintain values on a nominal basis during the immediate future. Nominally, the market was $1.70 per pound.

**Cassia.**—Values rose to the nominal basis of $1 per pound and it was hard to be certain that the price was justified in view of the uncertainty of the replacement situation. Demand broadened sharply.

**Cedarleaf.** — Replacement values rose and spot quotations were nominally 57c. per pound in drums and 59c. in cans. However, some felt that the market would be slow in developing further along this line.

**Citronella.**—The replacement situation was such as to make sellers seek protection of their current supplies. The market became nominal at 33c. per pound in drums and 35c. in cans. Java oil was also nominal at 29c. per pound. Cables, usually received here from London, were lacking last week.

**Clove.**—Producers quoted $1.20 per pound on forward delivery goods, subject to the safe arrival of spice from the primary market. Spot delivery prices were strictly nominal at $1.25 per pound in drums and $1.30 in cans. Until the transport situation is cleared up, a nominal position was likely to persist.

**Croton.**—Quotations were nominal on the higher basis of $1.15 per pound, being the result of the uncertainty surrounding future replacements and the unquestionably higher costs that would be established by ocean freight and war risk insurance rates.

**Eucalyptus.**—Since ocean freight rates and the cost of war risk insurance show an upward trend, sellers were uncertain of future replacement costs and consequently considered spot quotations to be strictly nominal at 42c. per pound in drums and 44c. in cans. Such quotations were certainly subject to confirmation.

**Geranium.**—The market for all kinds of this oil was nominal and dependent on the developments in replacement cost. Algerian oil was $2.50 per pound, Bourbon was $2.65, and Turkish was $1.90, nominal in all instances and likely to remain so until the world situation is set up on a more clearly defined basis of cost and transport.

**Ginger.**—Shipments of raw material being in danger because of the war, sellers of distilled oil became highly reserved and were likely to contine to quote a nominal market until such time as costs shall be definitely established. On a nominal basis, the market was $4.25 per pound.

**Juniper.**—Doubt about getting shipments steadily ran high and, hence, the spot dealers protected spot stocks by advancing quotations to $1.35 per pound and declaring such quotations to be entirely nominal and subject to confirmation.

**Lavender.**—War in France has jeopardized production next year and consequently spot and foreign oil stocks tended to become more valuable. Just what replacement may become was uncertain but it was clear that any spot price was nominal and subject to confirmation.

**Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7**

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ROSE BUDS—our lowest priced Rose. Widely used for toilet soaps, bath salts, sprays, etc.
ROSE BLEUE—medium priced. Particularly suited for creams of all types.
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**Lemon.**—Quotations on California oil were advanced to $2.75 per pound and the producers refused to write contracts. The price was for spot delivery only. Messina oil was higher at $3.40 per pound and was strictly nominal since replacement cost had an upward trend if only because of ocean freights and the cost of war risk insurance.

**Lemongrass.**—Important quantities of this material have been bought to come forward but arrival of the purchases was subject to freight space being available. The market on spot was therefore virtually nominal and subject to fluctuations in keeping with the future delivery position of the item.

**Lime.**—Replacement cost has advanced and business was done at the higher values last week. Spot quotations became nominal because of the uncertainty of future developments in the primary markets. On a nominal basis, Mexican distilled oil stood at $2.80 per pound; West Indian, $3.25; West Indian expressed oil, $6.75.

**Mace.**—The market was higher at $1.20 per pound and the quotation was declared to be nominal so far as the producers were concerned. There was a very firm undertone in the market because of the probable increase in production costs.

**Nutmeg.**—Production cost was rising because of war risk insurance and the rising ocean freight rates. Spot quotations were advanced to $1.20 per pound and were considered to be nominal.

**Orange.**—Quotations on cold pressed California oil were advanced to a minimum basis of $1.25 per pound in 25-pound cans. Producers indicated willingness to write six-month contracts on that basis until further notice. Other kinds of orange oil were higher and virtually nominal during the period under review, this nominal position resulting from the fact that replacement costs were rising because of the advances in ocean freight rates and the rise in the cost of war risk insurance. On a nominal basis, African oil was quoted at 85c. per pound; Messina, $2.50; West India, $1.70.

**Peppermint.**—This oil has not been affected by the war. Ordinarily, exports might be expected to be curtailed by the European war and consequently larger stocks made available for domestic purposes. This might mean lower prices but dealers here declared that it was far too early to define the probable trend of values in the future.

**Pineneedle.**—This item comes from areas affected strongly by the war activities in Poland. Sellers became reserved and advanced quotations to $1.15 per pound, declaring that the price was purely nominal and subject to confirmation.

**Sage.**—Stocks were practically exhausted and no one knew when more could be obtained. Hence, values were strictly nominal and the quotation of $2.50 per pound was subject to confirmation.

**Savin.**—The market was higher at $1.75 per pound, nominal. The rise began when war endangered future supplies of the item and when higher ocean freight and war insurance rates raised replacement costs substantially. Sellers were reserved.

## Aromatic Chemicals

**Anethol.**—Higher quotations were awaited as the result of a sharp reversal of price trends in the raw material. The market was substantially firmer in all respects.

**Anisic Aldehyde.**—Production costs showed an upward trend and upward revision in quotations on this product were expected to be forced in the not far distant future.

**Benzaldehyde.**—A firmer tone came to the market as the result of the more or less agitated situation in business generally, the result of the European war. No change was made in prices.

**Benzyl Compounds.**—Regardless of the European war, a plentiful supply of these items may be expected since there is a thriving domestic industry at present while in 1914 there was none. Prices were steadier in the main.

**Citronella.**—The market was steadier but lacking in price movement notwithstanding the more or less nominal position of raw material last week. The situation was subject to close watching.

**Coumarin.**—The market was steadier but little change in demand was reported and the cost of production has not been materially affected as yet.

**Diphenyl Oxide.**—Some gains in inquiry were reported and the market generally was on a steadier, though not on a higher basis. The broader interest was due to desire to cover future requirements more amply.

**Ethyl Vanillin.**—The market was fully steady in all respects and with a fair demand reported, the general undertone was considered to be firm.

**Eucalyptol.** — Quotations have been advanced to the basis of 65c. a pound in drums and 68c. in cans. This reflected not only a much broader trading interest, but also a rising cost of production.

**Eugenol.**—The market was advanced to $1.80 per pound in drums and $1.85 per pound in cans, reflecting a sharp rise in the cost of clove oil and the uncertain position of that raw material.

**Geraniol.**—The market was firmer because of the uncertain position that seemed to be developing in the raw material market. Quotations were unchanged but the tendency might be called upward.

**Linalyl Acetate.**—Sales gained during the past week when sellers showed a tendency to cover their forward requirements more adequately. Prices were generally firmer in all respects.

**Menthol.**—The market was advanced to $3 to $3.10 per pound and closed the week much firmer in keeping with an increase in sales out of spot supplies.

**Methyl Salicylate.**—The price of this item was related directly with the cost of phenol and since the value of that article may gain under present world conditions, the derived article was fully firm last week.

**Musk.**—The domestic industry will probably regain some of the ground lost when the duty was lowered by the Swiss-United States trade pact. At the moment new developments were lacking, but throughout the past week a firmer undertone seemed to be developing.

### *Dreyerlog* Issued

The September issue of *Dreyerlog*, published by P. R. Dreyer, Inc., aromatic chemicals and essential oils, this city, in addition to carrying a discussion on market conditions in the essential oils, and a review of the domestic peppermint oil situation, contains a worth-while general conversion table. Announced in the issue is a new perfume, "Floralia" for extract, colognes, lotions, etc. Copies may be obtained by writing the company at 30 West Nineteenth street, New York, mentioning REPORTER.

## *Wage-Hour Board To Increase Activity*

*—Continued from page 4*

the near future the administration expects to have a legal staff of forty attorneys. At present it has only seven lawyers regularly engaged in its work. It is expected that the decentralization move will result in the establishment of sixteen regional offices, which are to function under local directors empowered to handle minor violations of the statute without recourse to the authorities in Washington.

Because of the lack of attorneys and the other handicaps under which the administration has been working approximately 900 complaint cases are pending. Up to date the administration has sought to settle the bulk of the complaints without appeal to the courts, and those cases which have come before the legal tribunals have been brought under the civil sections of the statute. The law, however, has provisions for criminal penalties, and with the contemplated increase of the legal staff it is expected that the number of criminal court cases will be much larger than in the past.

It is also pointed out that one major obstacle has served to delay the operations of the administration in preparing criminal cases. This obstacle lies in the requirement that the administration trace any specified lot of commodities from the moment it enters the factory to the time it reaches the ultimate consumer after moving in interstate commerce. Furthermore it is necessary for the administration legally to link that specific lot with the specific workers alleged to have been overworked or underpaid. This has been impossible, say administration officers, in view of the shortage of inspectors and attorneys.

**W. R. Finney**, president of the Oklahoma Pipe Line Company, Tulsa, transportation unit of the Standard Oil Company of New Jersey, has been named manager of all domestic and foreign pipe lines of the parent firm, with office in New York.

# What You Can Use

## Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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**Two-hundred-ninety-fourth Instalment**

## Molded Plastics

### Base, or Binding, Materials Used in Molded Plastics

Abalyn
Acetylene reacted with acetic acid
Acetylene with chloro-acetic acid
Acetylene reacted with organic acids in the presence of fatty acid salts of cadmium and zinc
Aconitic acid
Acrolein
Acronal
Acrylate resins
Acrylic acid resins
Acrylic esters
Acryloids
Acrylonitrile
Acrysol
Akco
Aliphatic vinyl resins
Alkyd resins
Alkyl acrylates
Aladdinite
Alphabutylvinyl ether
Alphachloroethylbenzene
Alphameta-2-4-dimethyl-styrol
Alphameta-4-methylstyrol
Alvar resins
Amberlac
Amberol
Ameroid
Aquaplex
Aroclors
Aromatic vinyl resins
Artifex
Aryl disulphonamide-formalheyde, resins
Aryl monosulphonamide-formaldehyde resins
Aryl sulphonamide-formaldehyde resins
Aryl sulphonanilide-formaldehyde resins
Bakelite
Bakelite polystyrene
Beckacite
Beckamine
Beckosol
Beckol
Beetle plastics
Belrol
Benzene trisulphonamide-formaldehyde resin
Benzylcellulose
Betachloroethylbenzene
Bexoid
Bitumens
Borrons
Butvar
Calcium paracaseinate
Casein plastics
Casein-formaldehyde products
Caseinogen
Castor-phthalic glyceride resins
Catalin
Celeron
Celestol
Cellastine
Celluloid
Cellulose acetate
Cellulose derivatives
Cellulose esters
Cellulose ethers
Cellulose plastics
Cements
Ceramic clays
Cetic
Chlorinated diphenyls
Chlorinated ethylbenzene
2-Chlorobutadiene
Chloro-4-butadiene
Chloroprene
Colasta
Coltrack
Composite
Condensation products of rosin and fatty acids. especially the acid of castor, rapeseed, or tung oil
Condensation type resins
Copalose
Copolit
Coumarone resins
Coumarone-indene resins
Cresol-formaldehyde resins
Crystolite
Cumar
Cyclohexanone-formal-dehyde resins
Dayton plastics
Diakon
Diallyl malonate
Dihydric phenols with formaldehyde
Dilecto
Divinyl ether
Divinylacetylene
Divinylbenzene
Dulux
Duprene
Dura
Duraplex
Duratone
Durez
Durite
Elo
Erinite
Erinofort
Erinoid
Ester gums
Esterol
Ethyl acrylate
Ethyl methacrylate
Ethylbenzene
Ethylcellulose
Ethylene in the presence of aluminum chloride
Ethyleneglycol phthalate resins
Ethylvinyl ether
Fabroil
Fiberloid
Fiberlon
Fibrac
Flamenol
Formica
Formvar
Galalith
Gardite
Gelva
Gemstone
Glycerol phthalate resins
Glycerol-phthalic anhydride resins
Glyptals
Glyptol
Gummo
Haveg
Hercolyn
Herculite
Hidersine
Hydroquinone-formaldehyde condensation products
Hydroxycarboxylic resins
Imperial ester gum
Indene resins
Indur
Indurite
Isoline
Isopropylbenzene
Itaconic acids
Joanite
Kaolin
Kellite
Kopol
Koroseal
Lacanite
Lactoid
Laculose
Leukon
Lewisol
Lucite
Lumarith
Lutralite
Makalot
Marblette
Metastyrols
Methyl acrylate
Methylacrylic esters
Methylcellulose
Methylene ketones
Micarta
Modified phenol-formal-dehyde resins
Moldarta
Mouldrite
Mowilith
Natural resins
Nestorite
Neville resins
Nevindenes
Nitrocellulose
N.P.S.
Pandura
Panelyte
Paracoumarone resins
Paradura C
Paraformaldehyde reacted with acetic anhydride
Paraformaldehyde reacted with an anhydride
Paraindene resins
Paramet ester gum
Paranol
Paraplex
Pentaerythritol phthalate resins
Perspex
Petroleum resins
Petropol
Phenac
Phenalin
Phenol-formaldehyde resins
Phenol-furfural resins
Phenol-hexamethylene-tetramine resins
Phenol-paraformaldehyde resins
Phenolsulphonamide-formaldehyde resins
Pitch
Plaskon
Plastacele
Plexiglass
Plexigum
Pliolite
Pollopas
Polychloropyrene
Polyethyl methacrylate
Polyhydric alcohol-polybasic acid resins
Polymer of acrylic acid
Polymerization type resins
Polymerized vinyl chlorides
Polyolefin hydrocarbons
Polystyrene resins
Polyvinyl esters
Potter's clay
Primal
Protein plastics
Pyrogallol-formaldehyde resins
Pyroxylin
R Hoplex
Rauzene
Resinox
Resoglaz
Resorcinol resins
Resorcinol-formaldehyde Resins
Rezyls
Rockite
Ronyx
Rosin
Santo resin
Santolite
Scarab resins
Sealing waxes
Shellac
Soybean-formaldehyde compounds
Spauldite
Styrene resins
Styron
Syntex
Synthane
Synthetic resins
Synthetic resinoids
Tar-acid resins
Taylor resins
Teglac
Tenelan
Tenite
Tertolite
Textolite
Thermoplax
Thiourea-acetaldehyde resins
Thiourea-formaldehyde resins
Toluenesulphonamide-formaldehyde resins
Trihydric phenols-formal-dehyde resins
Tornesite
Uformite
Unyte
Urea resins
Urea-acetaldehyde resins
Urea-formaldehyde resins
Varrock
Victron
Vinal
Vinnapas
Vinyl acetate
Vinyl bromide
Vinyl chloride
Vinyl chloroacetate
Vinyl esters
Vinyl ethers
Vinyl halides
Vinyl polymers

*(To be continued)*

# Petroleum Solvents Lubricants, Fuels

**Oil Products in Heavy Demand — Some Producers Withhold Offerings—All Prices Strong—Crude Wax, Lubricants Up —Export Call Heavy But Few Sales Made**

An abnormally heavy demand appeared in the market for various petroleum solvents during the period under review. Suppliers believed this was indicative of consumers' fear that the war would tend to prompt price advances and therefore they were hurrying to cover immediate needs. This fear was seen in the market for most refined products. Several materials are in good demand immediately following the end of the vacation period, but the call for shipments was so heavy that it must have been caused by other than normal needs.

Crude scale wax was boosted sharply due to buyers' activity and depleted stocks. Several suppliers were offering only meager supplies, confident of further advances. White mineral oils and petrolatum were being withheld from the market as much as possible, due to sellers' uncertainty regarding the proper prices.

Perhaps the most unstable market was that for Pennsylvania lubricants, which were hiked to high figures. The export trade was very active and this, coupled with the domestic call, sent prices shooting skyhigh. Similar to other sellers, suppliers of Pennsylvania lubricants were withholding offerings. Midcontinent lubricating oils were also up, but comparative serenity reigned in the market.

There were many inquiries for cargo lots of gasoline and other oil products for shipment abroad, but it was understood that few sales were made. The difficulty seemed to be in arranging shipments, with tanker rates almost double what they were before the war.

## Solvents and Diluents

An abnormally heavy demand for all solvents appeared in the market during the period under review. The major portion of this increase in call for stocks was due to the close of the vacation period. Consumers always begin heavy buying following Labor Day. This demand was so great, however, that suppliers were crediting some of it to fear that the European war would tend to advance prices and therefore consumers were stocking up. Whether or not prices will be advanced could not be decided last week by men in the trade. The price schedule depends entirely upon the demand and the crude oil situation in the future.

**Cleaners' Naphthas.** — Cleaners were very active, and supplies were moving in good volume. No prices were changed.

**Petroleum Thinners.** — Paint makers were demanding abnormal supplies of these thinners, and in many quarters the call was so heavy that shipments could not be met on time. Fear of rising prices was probably the cause of the spot demand, although prices last week were unchanged at the previously quoted levels.

**Rubber Solvent.**—Tire manufacturers were still active, and certain quarters reported a slight pick-up in demand. This was not believed a reflection of world affairs, however, but rather a normal increase in the output of rubber tires. The price was steady and unchanged at the quoted level.

**V. M. & P. Naphtha.**—Similar to the market for paint thinners, consumers of this naphtha were creating a very active market during the period under review. The call for stocks was so heavy that some producers were unable to fill orders and deliver them at the requested time. The price was stronger but unchanged.

**Chicago, Sept. 7.** — Petroleum solvents and diluents have been subject to some increased interest from buyers. Cleaners' material has moved moderately well. Paint industry material has been bought in fair quantities. Price cutting continues to be reported, but it seems to be about in the same proportion as in the recent past. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4¼c. to 4½c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.2c., tankwagon; rubber solvent, 6⅜c. to 6½c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c., tankwagon; v.m. & p. naphtha, 6⅜c. to 6½c., tankcar; 16,5c., tankwagon.

**Tulsa, Sept. 7.**—Probably the largest volume of inquiries and business was booked this week with prices exceedingly strong. Rubber solvent was in the lead and shipments will be greatly increased this week. Inquiries from export sources also developed this week and its was expected that a price increase would be posted momentarily in all products. The supply is exceedingly limited and the market is very sensitive to an abnormal demand. Naphthas are very strong and scarce.

## Lighter Fractions

Trade in light gaseous solvents was definitely better last week, continuing the trend that had been in evidence for several previous months. One major supplier reported that business to date this year has by far exceeded last year's trade. Prices during the period under review were stronger, but no actual changes were made. Several quarters surmised that the pick-up in demand was due to fear of rising prices but this could not be confirmed, for the pick-up was not that large.

**Butane.**—Shipments were heavier as consumers called for more material to be delivered on spot. Inquiry for future delivery was also better and the price was firmer.

**Heptane.**—Demand was slightly better, although the increase was not as noticeable as for other materials in this division of the refined market. The price was steady and unchanged at the quoted level.

**Hexane.** — Several suppliers reported an increased demand last week and most of this call for stocks was for immediate delivery. This was believed due to consumers' fear of rising costs, although producers were not thinking of advancing the price last week.

**Propane.**—Similar to butane the increase in demand for this material was very heavy last week. Most call was for spot delivery. Inquiry for future delivery was more noticeable and as a result the price became somewhat firmer.

## Petrolatums and Waxes

The markets for white minerals, oils and petrolatum were in a state of confusion during the period under review. Major suppliers had not advanced prices but were disinclined to offer much material for sale due to uncertainty over what the proper quotations should be. Similar disorder was seen in the crude scale wax market, the sole difference being that suppliers were quoting prices that were sharply higher than the previous figures. These prices were very strong and were no indication of the real market selling price.

**White Mineral Oils.**—Domestic suppliers were in a quandary last week attempting to unravel the confusion regarding orders, price, shipping facilities and other factors involved. There was a very heavy demand from consumers who wanted to stock up before any possible advance in price. Certain sellers were reluctant to ship material except to regular customers due to the uncertainty over what the proper asking price should be. There is an export trade of mineral oils that involves about 7 percent of the business done and it was this trade that was puzzling producers. Prices were to be held at their previous levels temporarily but an advance in the near future seemed possible. Importers of the Russian oil were proceeding cautiously. There were stocks in this country but they were not very high. On top of that, the possibility of getting any more from abroad seemed remote as European countries will be needing all that can be produced. As with the domestic product, prices were being held at the previous levels, but will probably advance.

**Petrolatum.**—This was another material that was giving concern to producers last week. A large part of the world depends on the United States for petrolatum and how this export trade will be affected by the war was undetermined as yet. Major suppliers were uncertain as to what proper prices should be and for that reason were more or less hesitant about offering material freely to the very heavy demand. Quoted prices are being held temporarily.

**Paraffin.**—Both yellow and white grades of crude scale wax were advanced 30 to 35 points during the period under review. This was due to an abnormally heavy demand coupled with the uncertainty regarding shipping facilities in the future. The 122-24 material was last sold in New York at .0325c. per pound, with that price strong. The 124-26 material was last sold at .0325c. to .0330c. per pound. The yellow was quoted the same as the 122-24 material. These prices were no indication of the true market, however. Stocks were exceedingly low and there was a consequently heavy demand from consumers who wanted to cover needs. Certain suppliers were quoting prices for same-day shipment only, refusing to hold prices for later delivery. Should the demand continue unabated, sellers who have material will practically be able to name their own prices.

**Chicago, Sept. 7.**—The refined petroleum wax market remains quiet, but gives the appearance of being steady and quite firm. Inquiry for various quantities of material have been good on the whole. Most buyers continue to purchase mainly for not too distant requirements. Ruling prices are:—122-124, 4.25c. to 4.3c. per pound; 125-127, 4.35c. to 4.4c.; 127-129, 4.7c. to 4.75c.; 130-132, 5c. to 5.05c.; 132-134, 5.25c. to 5.3c.

**Tulsa, Sept. 7.**—Prices were unchanged at 2.85c. to 3c. per pound for the 124-26 American crude, but inquiries had increased tremendously.

## Fuels and Lubricants

Midcontinent and Pennsylvania lubricating oils held the spotlight in this division of the refined market last week. All grades of the latter were boosted drastically while bright stock in the Midcontinent were sharply up. Gasoline was in good demand in all sections of the country, although the call for shipments had fallen from the level of the previous week. Fuel oils were comparatively quiet.

**Gasoline.**—The demand for material was heavy along the Atlantic seaboard, although it had fallen from that of the previous week. The call for export was better but shipments were being withheld temporarily. The price was firm.

**Kerosene.**—There was a better demand for this material but not enough to cause an advance in the quoted price.

**Fuel and Gas Oils.**—Heating oils were stronger due to a pick-up in demand. Heavy fuel oil was in immediate demand at all quarters but the price was unchanged.

**Lubricating Oils.**—Pennsylvania grades were sharply advanced 2c. to 4½c. per gallon, depending upon grade. As one supplier put it, the market was "going wild." The activity was due to a sharp increase in the call for material for export, coupled with a similar increase in domestic demand. Several sellers were holding back on offerings and were only shipping out meager supplies in anticipation of further advances. For this reason all quoted prices can only be considered nominal. For changes refer to current market prices beginning on page 7.

### Crude Oil Price Changes

Major buyers advanced the posted price at Shreveport, North Louisiana field 10c. per barrel to $1.10.

### Markets at Other Centers

**Chicago, Sept. 7.**—A strong tankcar gasoline market continued to prevail this week, with consumer demand still holding high. Prices seemed to be having no difficulty in maintaining their position. Jobbers were stocking up again after the draft on their stocks resulting from Labor Day gallonage. There is talk of pos-

### *Outputs and Quotas*

A comparison of Bureau of Mines calculations for August productions, State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended September 2, follows:—

| | *B. of M. Dept. of Int. calculations. | ‡State allowable. | Estimated output. |
|---|---|---|---|
| Oklahoma | 448,100 | Aug. 16 | 6,500 |
| Kansas | 168,700 | Aug. 16 | 4,000 |
| Texas | 1,428,100 | Aug. 15 | 891,850 |
| Louisiana | 259,300 | Aug. 17 | 161,350 |
| Arkansas | 51,900 | Aug. 17 | 31,100 |
| Illinois | 201,900 | ..... | 310,250 |
| Eastern | 106,200 | ..... | 100,100 |
| Michigan | 54,200 | ..... | 63,850 |
| Wyoming | 77,100 | ..... | 58,350 |
| Montana | 16,400 | ..... | 16,400 |
| Colorado | 3,900 | ..... | 3,900 |
| New Mexico | 111,000 | Aug. 17 | 34,450 |
| California | 595,100 | †598,300 | 601,100 |
| Totals | 3,521,900 | ..... | 2,283,200 |

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of August. As requirements may be supplied either from stocks, or from new production, contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.
† Recommendation of Central Committee of California Oil Producers.
‡ Date on which wells in state closed.

### *The State of the Petroleum Market*

The crude oil advance last week did not affect these figures.

| | Sept. 9 | Sept. 2 | Last Year |
|---|---|---|---|
| Crude petroleum prices at well (average for ten fields) per barrel | $1.147 | $1.147 | $1.228 |
| Gasoline prices at refineries (at four refining centers) per gallon | .050875 | .050875 | .050625 |

**Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7**

NICKEL CATALYST
Also NICKEL CARBONATE - NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

SHERWOOD'S SHEROLATUM
GUARANTEED QUALITY · ALL GRADES
The Improved Petrolatum U. S. P.
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY · WARREN, PA. MAIN OFFICE · ENGLEWOOD, N. J.

Highest quality
NAPHTHENIC ACID
CRESYLIC ACID
U.S.P. and Technical WHITE OILS
VISCOUS OILS (extremely viscous polymerized hydrocarbons)
CALODORANT GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

## *Petroleum Production—Motor Fuel Stocks*

| | Barrels | |
|---|---|---|
| | 1939 Jan. 1-Sept. 9 | 1938 Jan. 1-Sept. 9 |
| Commercial crude oil production | 837,876,385 | 835,809,700 |
| | Week ended Sept. 9, 1939 | Week ended Sept. 10, 1938 |
| Daily average production | 2,627,677 | 3,325,300 |
| | Week ended Sept. 2, 1939 | Week ended Aug. 26, 1939 |
| Estimated motor fuel stock total | 73,194,000 | 73,475,000 |
| Estimated finished motor fuel stock total | 66,976,000 | 67,159,000 |

sibility of higher tank wagon and service station gasoline prices. Kerosene is steady, and furnace oils now are considerably firmer than a month ago. Heavy fuel oils are attracting much interest, with orders large. Lubricants are in better demand at mostly higher and stronger prices.

GASOLINE.—Low octane motor, 4½c. to 4⅝c. per gallon; 63-66 octane motor, 4¾c. to 4⅞c.; 67-69 octane motor, 5c. to 5⅛c.; 60-62, 400 endpoint, 4½c. to 4⅝c.; 64-66, 375, 4½c. to 4¾c.; 68-70, 360, 5c. to 5⅛c.

KEROSENE.—42-44, water white, 3¾c. to 4c. per gallon; 41-43, water white, 3⅝c. to 3⅞c.

FURNACE OILS.—Range oil, 3⅜c. to 3¾c. per gallon; No. 1 white, 3⅜c. to 3⅝c.; No. 1 straw, 3¼c. to 3½c.; No. 2 straw, 3⅛c. to 3⅜c.; No. 2 dark, 3c. to 3¼c.; No. 3, 3c. to 3⅛c.; 32-36, dark, industrial gas oil, 2¾c. to 3c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

**New Orleans**, Sept. 7.—Domestic market quotations remained unchanged during the past week. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5¾c.; U. S. motor below 62 octane at 5¾c.; 63-67 octane at 6c., and 68-70 octane at 6⅛c.—all prices being based on a per gallon rate at refinery.

Kerosene also remained unchanged and was quoted at 7⅛c. per gallon at refinery.

Bunker C fuel oil continued steady and was quoted at 80c. per barrel at terminal and 85c. per barrel delivered alongside. Industrial plants in this vicinity were quoted at $1.36 per barrel delivered.

**Tulsa**, Sept. 7.—The feature of this week's market is the large volume of demand for forward delivery. In all products more attention is being given to future deliveries than to spot buying.

Because of the general rise in commodity prices and the more satisfactory statistical position of oil inventories trading has again been restricted. This is not due to a lessened demand or curtailed production but due to the unwillingness of refiners to part with any substantial quantity of materials in view of the world-wide movement to accumulate inventories of commodities. Oil men are still mindful of the price rise from 1914 to 1920 under conditions when oil was not as freely used as it is today. The rise during a four year period from around 80 cents a barrel to $3.50, with most of the rise occurring after the cessation of hostilities, is indicative of the possibilities inherent in the current situation, refiners say.

At least their position in the market from here on will be based on these past experiences. Consequently, abrupt price rises may be expected during the coming weeks. Fuel oil is in very heavy demand this week, with all quotations stronger.

GASOLINE.—U. S. motor third grade, 4½c. to 4¾c. per gallon for low octane; 63-66 octane, 4¾c. to 5⅛c.; 67-69 octane, 4⅞c. to 5¼c.; and 70-72 or higher, 5¼c. to 5½c. per gallon.

NATURAL GASOLINE.—26-70 grade is 4c. per gallon and the 18-55 grade at 4¾c. a gallon.

KEROSENE.—41-43 grade, 3½c. to 4¼c. per gallon, and 42-44 grade, 3¾c. to 4⅝c. per gallon.

DISTILLATES.—No. 1 prime white, 3⅜c. to 3¾c. a gallon, and straw 3¼c. to 3⅝c. a gallon. No. 2 dark, 3⅛c. to 3¼c. a gallon, and other gas oils at 2¾c. to 3c. a gallon.

FUEL OILS.—24-28 degree 85c. to 90c. a barrel and low cold test at $1.00 to $1.10 a barrel. Residuals 50c. to 70c. a barrel.

LUBRICANTS.—Bright stocks were increased one and one-half cents a gallon by the leading manufacturer which has a large export business. The export demand has greatly increased and shipments were also augmented. Other grades of neutrals and cylinder oils in which bright stocks are not included were unchanged but the tone of the market was very strong, and it was expected that the increase would spread to other products.

### Crude Oil Daily Output Up

Daily average crude oil production in the United States during the week ended September 2 was 2,283,200 barrels, an increase of 592,400 over the previous week, according to the American Petroleum Institute. The shutdown of producing wells was still in effect in six States in part of the week. Stocks of gasoline at the close of the week were 73,194,000 barrels, against 73,475,000 at the end of the previous week, a decline of 281,000. On Sept. 2, 1938, stocks were 70,837,000 barrels.

## Bids Wanted

**Carbon Dioxide:**—9,150 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 82, opening September 14.

**Drawing Compounds:**—4,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 239, opening September 12.

**Drycleaning Solvent:**—4,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 287, opening September 12.

**Gasoline:**—1,500,000 gallons; General Purchasing Officer, Panama Canal, Washington; procurement 3587, opening September 18.

**Kerosene:**—300,000 gallons; General Purchasing Officer, Panama Canal, Washington; procurement 3587, opening September 18.

**Lead, Red:**—4,000 pounds; U. S. Engineer Office, Army building, New York; procurement 38, opening September 12.

**White:** — 5,000 pounds; Quartermaster, West Point, N. Y.; procurement 1052-22, opening September 18.

**Magnesium:**—2,500 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 214, opening September 14.

**Monomethylparamidophenol:**—1,800 pounds; Contracting officer, Materiel Division, Wright Field, Dayton; procurement 201, opening September 21.

**Oil, Fuel:**—14,200 gallons; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 78, opening September 25. 312,000 gallons; U. S. Engineer Office, Philadelphia; procurement 67, opening September 14. 465,000 barrels; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7183, opening September 14. Supplies for region 3; Chief Purchase Division, Treasury Department, Washington; procurement 20734-F, opening September 18. Supplies for region 2; Chief Purchasing Division, Treasury Department, Washington; procurement 20732-FO, opening September 18.

**Linseed:**—1,400 gallons; Chief Purchase Division, Treasury Department, Washington; procurement 6583-S5, opening September 15.

**Paints:**—Supplies of; Commanding Officer, Rock Island Arsenal, Ill.; procurement 126, opening September 12.

**Potash Bromide:**—960 pounds; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 201, opening September 21.

**Putty:**—2,500 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 290, opening September 13.

**Soda Ash:**—14,400 pounds; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 201, opening September 21.

**Borate:** — 1,400 pounds; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 201, opening September 21.

**Hydroquinone:** — 72,000 pounds; Contracting Officer, Materiel Division, Wright Field, Dayton; procurement 201, opening September 21.

**Turpentine:**—2,200 gallons; Chief Purchase Division, Treasury Department, Washington; procurement 6550-S5, opening September 11.

# Current Market Quotations

*—Continued from page 23*

### Yellow Ox.—Zirconium

| | |
|---|---|
| Yellow, oxide, Persian orange (see O). | |
| Zinc, bbls., same basis chrome | |
| CP, contracts..lb. | .15 - — |
| open order .....lb. | .19 - — |
| Yellow dock root, bls.....lb. | .17 - .18 |
| Yellow root (xanthoriza), bls..lb. | .11 - .12 |
| Yerba santa leaves, bls.....lb. | .07½- .08 |
| Yohimbine hydrochloride, vis..oz. | 2.50 - 2.55 |

### Z

| | |
|---|---|
| Zinc acetate, tech., bbls., works, lb. | .15 - .16 |
| USP, bbls., 250 lbs.....lb. | .27 - — |
| kgs., 100 lbs.....lb. | .29 - — |
| Arsenite, bgs., c.l., dealers, E. of Rockies..lb. | .12 - — |
| l.c.l., bags .....lb. | .12½- — |
| Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over. | |
| Carbonate, tech., bbls.....lb. | .14 - .16 |
| USP, precip., powd., bbls...lb. | .31 - — |
| dms. .....lb. | .36 - — |
| kgs. .....lb. | .33 - — |
| Chloride, tech., fused, dms., c.l., works..100 lbs. | 4.25 - — |
| l.c.l., works.....100 lbs. | 4.60 - — |
| gran., dms., c.l., works, 100 lbs. | 5.00 - — |
| l.c.l., dms., works.100 lbs. | 5.75 - — |
| USP, 200-lb. dms.....lb. | .25 - — |
| 25-lb. jars.....lb. | .31 - — |
| solution, 50%, dms., c.l. works..lb. | .0290- — |
| l.c.l., works.....lb. | .04 - .04½ |
| tanks, works.....lb. | .0225- — |
| Cyanide, kgs., works.....lb. | .33 - — |
| Dust, bbls., c.l., dlvd.....lb. | .08 - — |
| l.c.l., bbls., dlvd.....lb. | .08½- — |
| Fluoride, bbls.....lb. | .20 - .25 |
| Iodide, N.F., bots.....lb. | 4.35 - |
| jars .....lb. | 4.30 - — |
| Metal (see daily quotations in Market report) | |
| Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. | .06¼- .07½ |
| l.c.l., dlvd., except Pac. cst..lb. | .06½- .07¾ |
| ex whse., Pac. cst., lb. | .06½- .07¾ |
| bbls., c.l., dlvd....lb. | .06½- .07¾ |
| l.c.l., dlvd., except Pac. cst..lb. | .06¾- .08 |
| ex whse., Pac. cst..lb. | .06¾- .08 |
| leaded, 5%, bgs., c.l., dlvd..lb. | .06½- — |
| l.c.l. dlvd. except Pac. cst..lb. | .06¾- — |
| ex whse.,Pac. cst.lb. | .06¾- — |
| bbls., c.l., dlvd....lb. | .06¾- — |
| l.c.l., dlvd., except Pac. cst..lb. | .06¾- — |
| ex whse., Pac. cst. lb. | .06¼- — |
| 80%, bgs., c.l., dlvd., except Pac. cst..lb. | .0606- — |
| Pac. cst.....lb. | .0613- — |
| l.c.l., dlvd., except Pac. cst..lb. | .0631- — |
| ex whse., Pac. cst...lb. | .0631- — |
| bbls., c.l., dlvd....lb. | .0631- — |
| l.c.l., dlvd., except Pac. cst..lb. | .0656- — |
| ex whse., Pac. cst.lb. | .0656- — |
| French process, com'l, lead free, bgs., c.l., dlvd.lb. | .06¼- .07 |
| l.c.l., dlvd., except Pac. cst..lb. | .06½- .07¼ |
| ex whse., Pac. cst..lb. | .06½- .07¼ |
| bbls., c.l., dlvd.....lb. | .06½- .07¼ |
| l.c.l., dlvd., except Pac. cst..lb. | .06¾- .08 |
| ex whse., Pac. cst.lb. | .06¾- .08 |
| green seal, bgs., c.l., dlvd. lb. | .06 - — |
| l.c.l., dlvd., except Pac. cst..lb. | .06¾- — |
| ex whse., Pac. cst.lb. | .06¾- — |
| bbls., c.l., dlvd.....lb. | .06¾- — |
| l.c.l., dlvd., except Pac. cst..lb. | .06½- — |
| ex whse., Pac. cst.lb. | .06½- — |
| red seal, bgs., c.l., dlvd..lb. | .07½- — |
| l.c.l., dlvd., except Pac. cst..lb. | .07¾- — |
| ex whse., Pac. cst..lb. | .07¾- — |
| bbls., c.l., dlvd....lb. | .07¾- — |
| l.c.l., dlvd., except Pac. cst..lb. | .08 - — |
| ex whse., Pac. cst..lb. | .08 - — |
| white seal, bgs., c.l., dlvd. lb. | .08½- — |
| l.c.l., dlvd., except Pac. cst..lb. | .08¾- — |
| ex whse., Pac. cst..lb. | .08¾- — |
| bbls., c.l. .....lb. | .08¾- — |
| l.c.l., dlvd., except Pac. cst..lb. | .09 - — |
| ex whse., Pac. cst..lb. | .09 - — |
| import, gold seal, cks., ex whse..lb. | .13 - .14 |
| green seal, bbls., ex whse.lb. | .10 - — |
| white seal, cks., ex whse., lb. | .11 - .13½ |
| USP, bbls., c.l.....lb. | .09½- — |
| Palmitate, bbls.....lb. | .28 - .35 |
| Resinate, fused, pale, bbls..lb. | .10 - — |
| precip., dms., dlvd.....lb. | .15 - — |
| Stearate, tech., precip., bbls., ctns., c.l..lb. | .20 - — |
| l.c.l., 1 ton.....lb. | .21 - — |
| 1,000-2,000 lbs.....lb. | .22 - — |
| less than 1,000 lbs...lb. | .23 - — |
| U.S.P., bbls.....lb. | .21 - .28 |
| Sulphate, cryst., bgs., c.l..... 100 lbs. | 2.75 - — |
| l.c.l. .....100 lbs. | 3.50 - — |
| bbls., c.l.....100 lbs. | 2.90 - — |
| l.c.l. .....100 lbs. | 3.65 - — |
| flake, bgs., c.l.....100 lbs. | 3.10 - — |
| l.c.l. .....100 lbs. | 3.85 - — |
| bbls., c.l.....100 lbs. | 3.25 - — |
| l.c.l. .....100 lbs. | 4.00 - — |
| powd., bgs., c.l.....100 lbs. | 4.35 - — |
| l.c.l. .....100 lbs. | 5.10 - — |
| bbls., c.l.....100 lbs. | 4.50 - — |
| l.c.l. .....100 lbs. | 5.25 - — |
| Sulphide, pigment, barium, calcium, or magnesium base, bgs., c.l. (20 tons), dlvd..lb. | .07½- — |
| l.c.l., dlvd. E. or ex whse., Pac. cst..lb. | .07¾- — |
| bbls., c.l. 20) bbls., c.l., (20 tons), dlvd.....lb. | .07¾- — |
| l.c.l., dlvd. E. or ex whse., Pac. cst..lb. | .08 - — |
| Sulphocarbolate, NF, bbls....lb. | .24 - .30 |
| Zinc-ammonia chloride, dms., c.l., works..100 lbs. | 5.15 - — |
| l.c.l., works.....100 lbs. | 5.50 - — |
| Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. | .05 - — |
| l.c.l., dlvd., except Pac. cst..lb. | .05½- — |
| ex whse., Pac. cst..lb. | .05½- — |
| Zirconium nitrate, kgs., works.lb. | 3.00 - 4.00 |
| Oxide, crude, 70-75%, grd., bbls., works..ton. | 75.00 -100.00 |
| white, 98%, rgd., kgs., works, lb. | 1.80 - 2.00 |

## Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

**Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was** in the Sept. 4 issue; the next printing will be in the Oct. 2 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 33.

**Peconic Oil Corporation**, Riverhead, has filed a certificate of voluntary dissolution in the office of the secretary of New York State.

View 1,000 feet down the No. 2 shaft at Potash Company of America mines near Carlsbad, N. M.
P.C.A.
RED MURIATE
POTASH COMPANY
of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE MORTGAGE GUARANTEE BUILDING ATLANTA, GEORGIA

# Fertilizer Materials

**Most Materials in Abnormally Heavy Demand—Ammoniate Prices Hiked Sharply — Immediate Nitrate Deliveries Asked —Some Imported Products Withdrawn From Market**

The European war profoundly affected the market for raw fertilizer materials last week. Consumers were fearful of domestic prices being sharply boosted and a heavy demand for most products was seen. As a result of this demand, plus a natural shortage of material, sharp advances were made in several instances. There was an especially heavy call for delivery of nitrate because of its use as a war material. Imported products were sought and South American tankage and blood were withdrawn from the market. Shipments of imported bone meal and Japanese sardine meal were curtailed, although there were still stocks available.

The withdrawal of imported material was believed due to the sharp increase in war risk insurance coupled with lack of freight space for future delivery. Most of the imported products were carried in boats of foreign nations, the majority of which are now among the belligerents. Thus the boats of neutral nations will be burdened with greatly increased shipments and in many cases will be unable to carry these shipments.

Locally, quotations were hiked on blood, imported bone meal, Japanese sardine meal and various grades of tankage. More aggressive buying and unwillingness of suppliers to sell were reported from Chicago where various grades of blood and tankage were boosted sharply. In the Lower South prices were advanced on cottonseed meal, one of the principal fertilizer materials. Reports from other sections of the country indicated further strength in all grades, especially ammoniates.

Exports of fertilizers and fertilizer materials from the United States in July totaled 154,800 long tons, compared with 112,944 tons in the corresponding period of 1938. Nitrogenous materials, potash salts and phosphate rock showed the largest gains. Total exports in the first seven months of this year were 867,278 long tons, two percent larger than the 889,180 tonnage registered in the similar period last year. Imports in July totaled 88,313 long tons, compared with 57,769 tons in July, 1938. Sharp increases in the importation of potash salts, especially muriate, and moderate increases in nitrogenous materials were responsible for the higher figure this July. Imports for the first seven months this year amounted to 931,613 long tons, compared with 930,606 in the similar period last year.

### Price Changes

Prices were changed during the past week as follows:—

**Advanced**

Blood, dried, dom., $1.25 per unit, fob. N. Y.
high-grade, grd., 70c. to 80c. per unit, f.o.b. Chi.
imported, 70c. to 75c., c.i.f., ports
Bone meal, steamed, imp., 3 and 50, 50c. per ton
dom., 3 and 50, $3 per ton, Chi
imp., 1 and 65, $1.50 per ton, c.i.f.
Fish scrap, spot, $1 per ton, f.o.b. Balto.
sardine meal, Japanese, futures, $2.75 per ton.
spot, $1.50 per ton.
Hoofmeal, 15c. to 30c. per unit, f.o.b. Chi.
Tankage, unground feeding, 30c per unit, N. Y.
25c. per unit, Chi.
unground, high-grade feeding, 50c. to 75c. per unit, Chi.
imp., S. Amer., 15c. per unit.

**Reduced**

None

### Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 66.3 | 66.3 | 66.3 | 66.3 |

Market news that may have developed after this report was sent to press will be found on page 4.

## Ammoniates

Prices were much stronger last week and many were advanced. In some cases this situation was due to a natural shortage of material, while in other cases it was due to a heavier demand. Mixers were apparently fearful of large price increases due to the war and were buying as much material as they could comfortably and profitably stock. South American blood and tankage were withdrawn from the market and shipments of bone meal from Europe and Japanese sardine meal were curtailed.

**Dried Blood.**—There was a natural shortage of domestic dried blood and prices were advanced sharply at New York and Chicago. Last sales were made at the former point at a level of $4 per unit-ton which was a $1.25 increase. High-grade ground blood was last sold in Chicago at $3.25 per unit-ton, but sellers were asking $3.40 to $3.50, 70c. to 80c. higher than the previous week, with buyers indisposed to pay that price. Imported blood was sold at $3.45, c.i.f.

**Fish Scrap.**—Menhaden scrap was still offered at $3.15 and 10c. per unit-ton on a future basis. The spot market, however, advanced $1 per ton to a level of $49 f.o.b. Baltimore. Suppliers who had stocks of Japanese sardine meal on hand were offering them at higher prices. The spot market was advanced $2.75 per ton to $49, c.i.f. ports. The future shipments were sharply curtailed, although some importers were accepting orders at $49 per ton, which was a $1.50 advance.

**Nitrogenous Material.** — Domestic prices were stronger, although no advances were made. Imports were uncertain as far as future delivery was concerned, although there was still imported material available at unchanged price.

**Tankage.**—All grades were advanced except domestic ground material at New York. Unground feeding was advanced 30c. per unit to $3.25 and 10c. The Chicago price was up 25c. to $2.75 and 10c. High-grade unground feeding was advanced 50c. to 75c. at Chicago to a level of $3.75 and 10c. to $4 and 10c. per unit-ton. Imported South American stocks were withdrawn from the market, although last sales were made at $3.25 and 10c. per unit-ton, which was 15c. higher than the previously quoted figure.

## Potashes

Importers of agricultural potash salts reported that demand increased last week, the majority of requests calling for immediate shipment. Indications were that prospective buyers were fearful that war measures would interfere with future shipments and were willing to stock up in advance. The domestic market showed no new features except a slight pick-up in spot demand.

## Phosphates

The bone material market was somewhat unsettled last week with suppliers uncertain as to the proper course to take. The imported raw material was advanced. Phosphate rock and superphosphate were featureless.

**Bone Materials.**—The imported raw bone was advanced 50c. per ton to $24, c.i.f. ports. Chicago bone meal was up $6 to $32 per ton. Imported steamed 1 and 65, bone was advanced $1.50 per ton to $26. Demand was heavy as much of the material comes from European countries and buyers were fearful that shipments in the future may be seriously curtailed. The domestic market was uncertain, due to the imported situation and prices were unsteady.

**Phosphate Rock.**—The European war has failed to effect the market for this material and prices and demand were unchanged.

## Sulphur and Pyrites

Pyrites was an uncertain commodity and shipments in the near future appear to be doubtful. Sulphur was in heavier demand from domestic consumers, who were apparently stocking up.

### Markets at Other Centers

**Atlanta**, Sept. 6.—The trend upward in some fertilizer material prices, the result of the European war, is regarded in circles here as the beginning of general advances in prices. This opinion is reflected in inquiries and more interest is shown in the market at this time of the year than normally. Interest centers particularly in possibilities of foreign materials being delivered and what effect this may have on domestic material prices. Potash interests are anticipating no great difficulty in getting potash originating in France, and unlike the situation during the world war, domestic potash can be had in quantities. Among the ammoniates, in which the South is particularly concerned, is cottonseed meal which has risen sharply in recent days. Quotations are as follows:—

SUPERPHOSPHATE.—52c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, $27 per ton, port basis.

SULPHATE OF AMMONIA.—$27.50 per ton, port basis.

COTTONSEED MEAL.—$26 per ton, Southeastern producing points.

TANKAGE.—$3.50 and 10c., basis Chicago.

NITROGENOUS.—$1.90 per unit, Wisconsin; foreign, $2.25, ports.

BONE MEAL.—3 and 50, $26, basis Chicago.

**Baltimore**, Sept. 7.—As was to have been expected, the market for crude fertilizer materials was thrown into somewhat of a confused state by the outbreak of hostilities in Europe. So far, prices have strengthened, although quotations are about what they had been before. Current figures are about as follows:

FISH SCRAP.—Trading in this ammoniate was held down to small proportions with the quotations the same at $3.15 and 10c. per unit-ton. The fishing was on a reduced scale because of the weather conditions, with strong winds from the Northeast and rain working against large hauls. Menhaden meal and Japanese sardine meal are at $49 per ton.

SUPERPHOSPHATE. — Producers are still holding quotations at $7.50 per ton for run-of-pile and at $8 per ton for 16 percent milled and screened stocks, though they feel that the market may be advanced if freight rates move up.

POTASH.—There is an increase in interest as to prices of this product, and the trade is waiting for an answer to the question to what extent, if any, the war will interfere in the shipment of supplies from Europe. It is stated that receipts had been heavy for quite a long time, so that stocks in hand on this side should be ample, apart from the ability of domestic producers to take care of any wants which may develop.

BONE.—The market for this ammoniate did not show any changes of consequence, with the movement about as it has been, and with 1½ and 60 bone flour held at $26 per ton, with 3 and 50 ground steamed stocks at $26 per ton and with 4½ and 50 ground raw supplies at $27 per ton.

CHICAGO, Sept. 6.—A broadly active interest is developing in the general fertilizer materials market, with prices strong to higher in most grades of material, based on a considerably more aggressive buying activity. Purchasers are filling their needs on a more extended basis than in some time and as the market prices advances, sellers become even more timid about their willingness to sell. Blood is in sharp demand. Tankage is strong and in good call. Bone materials have been moving better.

BLOOD.—Principal grade, $3.40 to $3.50 per unit of ammonia.

TANKAGE.—High grade, feeding, $3.75 to $4 and 10c.; hoof meal, $2.65 to $2.80; liquid stick, $1.80 to $1.90.

BONE MATERIALS.—Ground, steamed bone, 1½ and 60 percent, $26; 3 and 50 percent, $26; 4½ and 50 percent, $27; grinding hoofs, pigs' toes and waste horn materials, $35 to $45; cattle jaws, skulls and knuckles, $26 to $27; beef cracklings, soft pressed, $40 to $42.50; pork cracklings, soft pressed, $50 to $52.50; hard pressed cracklings, per unit of protein, 80c. to 85c.

SAN FRANCISCO, Sept. 5.—California sardine meal, out of the potential yield of the current season, shot skyward today as news of the war broke. Contracts went into effect on a sliding scale upwards as buyers came heavily into the market. Business appeared to have opened at $44.50 per ton, following the last week's figure of $40 and later in the day further parcels were booked on a basis of $48. Sellers are now naming $50. No guaranty of delivery was given, shipment being subject to production. Otherwise, fertilizer materials had hardly had time to make news. Sellers of sulphate of ammonia stated they had no immediate announcement to make but their position might be subject to change at any moment. Most of the contracting ahead on sulphate has already been accomplished for the coming season, it was stated.

FISH MEAL.—$50 per ton, f.o.b. San Francisco/Monterey.

TANKAGE.—Unground, fertilizer grade, wet rendered, $2.80 to $3 and 10c. per unit-ton, f.o.b. cars, San Francisco. Dry rendered, ground, $43 per ton, f.o.b. cars, South San Francisco; unground, dry rendered, 77½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—Domestic, $2.80 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—Domestic, $25 to $29 per ton, delivered Pacific Coast ports.

**Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7**

## McIver Named Assistant To Freeport Sulphur Head

D. T. McIver has been appointed assistant to Langbourne M. Williams, jr., president of the Freeport Sulphur Company, this city.

D. T. McIver

Mr. McIver, a native of Texas, has been assistant general manager with executive duties since 1933, being stationed in New Orleans. He became associated with the company sixteen years ago in the production department at Freeport, Tex. In 1930, he was placed in charge of lands and leasing development. In his new capacity, he will continue to serve also as assistant general manager, dividing his time between the company's properties in Louisiana and Texas and its offices in New York.

## Chilean Nitrate to Appeal Order in Antitrust Probe

Chilean Nitrate Sales Corporation, this city, has been granted permission by Federal Judge Mandelbaum, in this city, to appeal from a court order of August 30, directing the company to produce its books and records before a special Federal grand jury conducting a Sherman antitrust act investigation of the fertilizer industry. The corporation maintained that the order was unreasonable, oppressive, and in violation of the fourth amendment of the constitution.

**Crown Drug Company**, Kansas City, August sales totaled $622,172, compared with $616,739 in the corresponding month last year.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

# Shipping Information

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## Imports at U.S. Ports

### New York Imports

ACETONE—75 dms, P H Petry & Co, Angelina, Arroyo
ACID, CRESYLIC—11 dms, W E Jordan & Bros, Samaria, Liverpool
1 cs, American British Chem Supplies, American Banker, London
SHEA OIL—110 dms, Black Gull, Antwerp
STEARIC—68 bgs, Manufacturers Chem Co, Black Condor, Antwerp
67 bgs, Orbis Product Corp, Samaria, Liverpool
ADEPS LANAE—147 bbls, C Tennant Sons & Co, Samaria, Liverpool
AGAR AGAR—10 cs, Wood & Selick, Asosan, Kobe
10 cs, R J Prentiss & Co, Asosan, Kobe
60 bls, Mitsui & Co, Asosan, Kobe
10 bls, T M Duche & Sons, Tai Yin, Shanghai
ALMOND MEAL—2 cs, Ungerer & Co, American Banker, London
ALOE—2 cs, Selma Mercantile Corp, Luna, Curacao
50 cs, Selma Mercantile Corp, Santa Rosa, Curacao
AMBERGRIS—1 cs, Norda Essential Oil & Chem Co, Queen Mary, Southampton
AMBREIN—1 cs, Dodge & Olcott Co, American Banker, London
AMMONIA, PERSULPHATE—10 dms, Manahan Chem Co, Nieuw Amsterdam, Rotterdam
ANNATTO SEED—1 bg, D Steengrafe, Talamanca, Kingston
ARAROBA POWDER—3 cs, S B Penick & Co, Scania, Bahia
ARROWROOT—200 bbls, 400 bgs, Moringstar-Nicol, Nerissa, St Vincent
10 bbls, 3,400 bgs, Morningstar-Nicol, Ingrid, St Vincent
ARSENIC, RED—50 dms, American Cyanamid & Chem Co, Emile Francqui, Antwerp
ARTIST'S MATERIAL — 4 cs, Gallagher & Ascher, Nieuw Amsterdam, Rotterdam
5 cs, Winsor & Newton, American Banker, London
ASBESTOS—120 bgs, American Banker, London
800 bgs, Raw Asbestos Distr, City of New York, Beira
1,866 bgs, Johns Manville Corp, City of New York, Capetown
950 bgs, Union Asbestos & Rubber Co, City of New York, Capetown
ASPHALT—1,028 bgs, A V Berner & Co, Seatrain New York, Havana
BABASSU KERNELS — 5,665 bgs, General Food Corp, Jevington Court, Parnahyba
10,224 bgs, General Food Corp, Jevington Court, Maranham
TAR—1 bot, Bessa Jonas, Inc, Jevington Court, Maranham
BISMUTH, REFD—150 bxs, Cerro De Pasco Copper Co, Santa Inez, Callao
BONE MEAL—767 bgs, Nordfarer, Buenos Aires
2,667 bgs, Montevideo, Buenos Aires
BRISTLES—19 cs, 2 cks, Chesnut, Cooper & Co, Queen Mary, Southampton
2 cs, Queen Mary, Southampton
5 cs, M Broverman & Son, American Banker, London
4 cs, Lunham & Moore, American Banker, London
69 cs, American Banker, London
9 cs, F H Cone & Co, Batory, Gdynia
2 bbls, 6 cs, Batory, Gdynia
100 cs, Mitsui & Co, Asosan, Shanghai
4 cs, H Rosenhirsch & Co, Skjelbred, Kobe
22 pkgs, N Y Cuba Mail S S Co, Siboney, Vera Cruz
4 cs, Chesnut, Cooper & Co, Tai Yin, Hongkong
5 cs, F H Cone & Co, Tai Yin, Kobe
9 cs, M Broverman & Son, Tai Yin, Kobe
93 cs, F H Cone & Co, Tai Yin, Hongkong
BUCHU LEAVES—17 bls, S B Penick & Co, City of New York, Capetown
CALCIUM, METALLIC—15 cs, C Hardy, Excambion, Marseilles
NITRATE—1,283,700 kilos, Synthetic Nitrogen Prod Corp, Taurus, Heroen
800 bgs, Synthetic Nitrogen Prod Corp, Taurus, Heroen
CAMPHOR, REFINED—50 cs, Mitsui & Co, Skjelbred, Kobe
CANARY SEED—531 bgs, Argentina, Buenos Aires
100 bgs, S Davis Co, Exchange, Casablanca
100 bgs, Exchange, Casablanca
CARAWAY SEED—150 bgs, Levy & Levis Co, Nieuw Amsterdam, Rotterdam
50 bgs, S Davis Co, Veendam, Rotterdam
200 bgs, Levy & Levis Co, Veendam, Rotterdam
100 bgs, American Express Co, Veendam, Rotterdam
150 cs, L Gronowitz, Veendam, Rotterdam
CAROB FLOUR—50 bgs, P A Dunkel & Co, Excambion, Marseilles
20 bgs, Philipp Bros, Excambion, Marseilles
120 bgs, Excambion, Marseilles
CASEIN—1,400 bgs, T M Duche & Sons, Scanmail, Buenos Aires
417 bgs, A Hurst & Co, Scanmail, Buenos Aires
500 bgs, American British Chem Supplies, Scanmail, Buenos Aires
910 bgs, American British Chem Supplies, Argentina, Buenos Aires
406 bgs, Swift & Co, Argentina, Buenos Aires
CASTOR BEANS—1,700 bgs, Tunley & Co, Scania, Bahia
320 bgs, Berkshire Chem Co, Oriente, Havana
1,705 bgs, Baker Castor Oil Co, Jevington Court, Bahia
3,410 bgs, Spencer Kellogg & Sons, Jevington Court, Bahia
1 pkg, I R Boody & Co, Jevington Court, Bahia
847 bgs, Spencer Kellogg & Sons, Jevington Court, Pernambuco
7,948 bgs, Baker Castor Oil Co, Jevington Court, Camocin
2,430 bgs, Baker Castor Oil Co, Jevington Court, Fortaleza
CHALK, PRECIP—120 bgs, 100 cs, H J Baker & Bros, Samaria, Liverpool
400 bgs, C L Huisking & Co, American Banker, London
CHARCOAL—75 bgs, Jevington Court, Maranham
CHEMICALS—20 kgs, Pfaltz & Bauer, Samaria, Liverpool
50 dms, Samaria, Liverpool
12 dms, 30 cs, Nieuw Amsterdam, Rotterdam
CHEMICALS—50 bgs, Advance Solvents & Chem Co, Nieuw Amsterdam, Rotterdam
23 dms, Sandoz Chem Works, Nieuw Amsterdam, Rotterdam
2 dms, 32 cks, Chemical Marketing Co, Nieuw Amsterdam, Rotterdam
6 cs, E I Du Pone de Nemours & Co, Nieuw Amsterdam, Rotterdam
2 cs, Yardley & Co, American Banker, London
122 cks, Champlain, Havre
5 cans, Rohner-Gehrig Co, Champlain, Havre
4 cks, 10 cs, Hoffman La Roche, Champlain, Havre
44 bbls, Chemical Marketing Co, Veendam, Rotterdam
20 bbls, Th Goldschmidt Corp, Veendam, Rotterdam
19 pkgs, Veendam, Rotterdam
5 bbls, C Bruning, Veendam, Rotterdam
200 kgs, American Cyanamid & Chem Co, Veendam, Rotterdam
50 dms, Hummel Chem Co, Black Gull, Rotterdam
103 kgs, Philip Bauer & Co, Tai Yin, Yokohama
150 bgs, Philipp Bros, Emile Francqui, Antwerp
CHILLIES—140 bgs, City of New York, Mombasa
215 bgs, Black Gull, Rotterdam
CHINA CLAY—8 bgs, Concentrate Mfg Corp, Samaria, Liverpool
20 cks, E Fougera & Co, American Banker, London
CHROME ORE—918 tons, 15 cwt, 1 qtr, 22 lbs, City of New York, Lourenco Marques
CINCHONA PRODUCTS—3 cs, R W Greeff & Co, Nieuw Amsterdam, Rotterdam
CINNAMON—50 bls, Mathura, Colombo
CLOVES—300 bls, City of New York, Zanzibar
323 bls, Excambion, Marseilles
COALTAR INTERMEDIATES—33 cks, 10 bottles, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
12 dms, 8 cks, General Dyestuff Corp, Veendam, Rotterdam
COCHINEAL—10 bgs, Pike & Co, Nieuw Amsterdam, Rotterdam
48 bgs, W R Grace & Co, Santa Inez, Callao
COCOA BEANS—22 bgs, W R Grace & Co, Ayuruoca, Bahia
300 bgs, South American Produce Co, Luna, Curacao
31 bgs, Schutte & Focke, Luna, Jeremie
24 bgs, Luna, Jeremie
250 bgs, Middleton & Co, Van Renssellaer, Trinidad
500 bgs, Van Renssellaer, Carupano
200 bgs, South American Prod Co, Van Renssellaer, La Guaira
161 bgs, Machado & Co, Van Renssellaer, La Guaira
187 bgs, Curacao Trading Co, San Juan, San Pedro De Macoris
250 bgs, Carr Bros, San Juan, Puerto Plata
2,487 bgs, Curacao Trading Co, San Juan, Puerto Plata
250 bgs, W R Grace & Co, Santa Inez, Guayaquil
200 bgs, Wessel, Kulenkampf & Co, City of New York, Port Spain
800 bgs, General Cocoa Co, City of New York, Port Spain
500 bgs, Wood & Selick, Argentina, Trinidad
217 bgs, Santa Rosa, Porto Cabello
250 bgs, Santa Rosa, La Guaira
150 bgs, Nerissa, Grenada
500 bgs, General Cocoa Co, Ingrid, Port Spain
250 bgs, Middleton & Co, Ingrid, Port Spain
234 bgs, J Aron & Co, Ingrid, Port Spain
675 bgs, W & A Leaman, Black Gull, Rotterdam
4,000 bgs, Bankers Trust Co, Jevington Court, Bahia
19,000 bgs, Jevington Court, Bahia
150 bgs, Jevington Court, Itacoatiara
150 bgs, Jevington Court, Para
COCONUTS—99 bgs, I L Toledano Corp, Angelina, Ponce
1,293 bgs, General Food Corp, Angelina, Ponce
300 bgs, I L Toledano Corp, Cristobal, Cristobal
176 bgs, Coamo, San Juan
450 bgs, Universal Import & Export Co, Ingrid, St Vincent
1,724 bgs, General Food Corp, Talamanca, Kingston
100 bgs, Barclay Bank, Talamanca, Kingston
COCONUT, DESIC—1,977 cs, Durkee Famous Food, Tai Yin, Manila
4,362 cs, General Food Corp, Tai Yin, Manila
600 cs, Dodwell & Co, Tai Yin, Manila
COLORS—17 cks, Black Gull, Antwerp
2 cs, American Importer, Liverpool
DRY—8 kgs, Fezandie & Sperrle, Samaria, Liverpool
1 ck, Gallagher & Ascher, Nieuw Amsterdam, Rotterdam
7 bbls, H W Trott, Panuco, Tampico
4 dms, E I du Pont de Nemours & Co, Veendam, Rotterdam
1 dm, Veendam, Rotterdam
COPAIBA BALSAM—60 cs, Wessel Duval & Co, Jevington Court, Manaos
2 dms, Talamanca, Cristobal
CORIANDER SEED—300 bgs, I Harrison & Whitney, Exchange, Casablanca
CORUNDUM—3 cks, Rex Sandpaper Co, Excambion, Marseilles
CORK, WASTE—5,050 bls, Exchange, Algiers
CUBEBS—7 cs, City of Kimberley, Samarang
CUMIN SEED—100 bgs, O Gerdau Co, Exchange, Casablanca
DYES, ALIZARIN—27 dms, 5 jugs, 2 cs, 80 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
19 dms, 21 cks, 12 jugs, 1 cs, General Dyestuff Corp, Veendam, Rotterdam
ANILIN — 16 dms, Sandoz Chem Works, Nieuw Amsterdam, Rotterdam
12 dms, 111 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
53 dms, Ciba Co, Nieuw Amsterdam, Rotterdam
124 dms, 4 cks, 1 cs, President Roosevelt, Havre
13 cks, Fulton Dye Import Co, Champlain, Havre
47 cns, Ciba Co, Champlain, Havre
17 cks, Geigy Co, Champlain, Havre
254 cns, Rohner, Gehrig Co, Champlain, Havre
FENNEL SEED — 55 bgs, Peek & Velsor, Argentina, Buenos Aires
FENUGREEK SEED—53 bgs, O Gerdau Co, Exchange, Casablanca
FERTILIZER—20 bgs, H S Dorf & Co, American Banker, London
FILTER PAPER—19 cs, H Reeve Angel & Co, American Banker, London
15 cs, H Reeve Angel & Co, President Roosevelt, London
15 cs, H Reeve Angel & Co, Manhattan, London
FISH LIVERS—200 tins, J D Irwin & Co, Asosan, Yokohama
46 cans, Silmo Chem Corp, Asosan, Shimizu
FLAXSEED—10,308 bgs, 22,677 bu, Archer-Daniels-Midland Co, Eskdalegate, Ibicuy
500 tons, 20,000 bu, Argentina, Buenos Aires
6,289 tons, 251,560 bu, Archer-Daniels-Midland Co, Eskdalegate, Ibicuy
FLEASEED—150 bgs, P H Petry & Co, Excambion, Marseilles
FLOWERS, MEDICINAL—20 bls, Excambion, Beyrouth
FORMALDEHYDE, SODA HYDROSULPHITE —15 kegs, Philipp Bros, Samaria, Liverpool
FULLER'S EARTH—150 bgs, L A Salomon & Bros, American Banker, London
GAMBIER—85 cs, American Dyewood Co, City of Kimberley, Belawan Deli
200 cs, American Dyewood Co, City of Kimberley, Singapore
GELATIN—10 cs, Excambion, Jaffa
POWDERED—12 bbls, 7 dms, 1 keg, T M Duche & Sons, Veendam, Rotterdam
GINGER ROOT—5 bgs, D Steengrafe, Angelina, Mayaguez
150 bgs, Gillespie & Co, Talamanca, Kingston
50 bgs, Barclay Bank, Talamanca, Kingston
GLASS, WINDOW—6 cs, Semon, Bache & Co, Black Gull, Antwerp
675 cs, National City Bank, Emile Francqui, Antwerp
1,610 cs, Emile Francqui, Antwerp
GLUE—50 bxs, American Importer, Liverpool
GLUESTOCK—548 bgs, J J Murphy & Co, Samaria, Liverpool
GLYCERIN—147 dms, Nordfarer, Buenos Aires
1 car, Colgate-Palmolive-Peet Co, Seatrain New York, Havana
GRAPHITE—500 bgs, Bankers Trust Co, Mathura, Colombo
64 bgs, Champlain, Havre
GREASE, WOOL—32 dms, Kaipaki, Melbourne
30 dms, H S Dorf & Co, American Importer, Liverpool
50 dms, American Importer, Liverpool
GUARANA—2 cs, Jevington Court, Para
GUM—6 pkgs, Excambion, Beyrouth
BENZOIN—5 cs, City of Kimberley, Batavia
CHICLE—29 bls, Chicle Development Co, Talamanca, Kingston
COPAL—77 bgs, G W S Patterson & Co, American Banker, London
190 bgs, Stroock & Wittenberg, Tai Yin, Manila
147 bgs, W H Scheel, Tai Yin, Manila
600 bgs, O G Innes Corp, Emile Francqui, Antwerp
200 bgs, American Cyanamid & Chem Co, Emile Francqui, Antwerp
240 bgs, S Winterbourne & Co, Emile Francqui, Antwerp
20 bgs, France, Campbell & Darling, Emile Francqui, Antwerp
DAMMAR—200 cs, Thurston & Braidich, City of Kimberley, Batavia
100 cs, Stroock & Wittenberg, City of Kimberley, Batavia
210 bgs, Stroock & Wittenberg, City of Kimberley, Singapore
LOCUST BEAN—110 bgs, Excambion, Alexandria
OLIBANUM—6 cs, Excambion, Beyrouth
SANDARAC—8 bbls, G H Lincks, Exchange, Casablanca
7 bbls, Exchange, Casablanca
YACCA—227 bgs, Kaipaki, Adelaide
GYPSUM—5,500 tons, U S Gypsum Co, Gypsum Empress, Windsor
2,486 tons, National Gypsum Co, Gezina, Dingwall
4,800 tons, U S Gypsum Co, Ravnanger, Windsor
200 bgs, Whittaker, Clark & Daniels, American Importer, Liverpool
HERBS, MEDICINAL—3 bls, S B Penick & Co, Excambion, Genoa
12 cs, Gambarelli & Davit, Excambion, Genoa
IPECAC ROOT—9 bgs, Jamaica, Pt Limon
IRISH MOSS—4 bls, Peek & Velsor, Champlain, Havre
50 bls, R J Prentiss & Co, Champlain, Havre
25 bls, Innis, Speiden & Co, Champlain, Havre
IRON ORE—3 dms, Reichard Coulston, Samaria, Liverpool
OXIDE—90 cks 5 kgs, J A McNulty, Samaria, Liverpool
16 kgs, 5 cks, J H Rhodes & Co, Samaria, Liverpool
448 bgs, Whittaker, Clark & Daniels, Samaria, Liverpool
3 cks, Stanley Doggett, Nieuw Amsterdam, Rotterdam
5 cks, Scott L Libby Corp, Nieuw Amsterdam, Rotterdam
1 pkg, Hollys Corp, American Banker, London
2 bgs, Reichard Coulston, American Banker, London
10 cks, C J Osborn & Co, American Importer, Liverpool
20 cks American Importer, Liverpool
ISINGLASS—25 cs, C H Reisig, American Banker, London
10 cs, American Banker, London
KOLA NUTS—100 bgs, D Steengrafe, Talamanca, Kingston
23 bgs, S B Penick & Co, Talamanca, Kingston
76 bgs, Talamanca, Kingston
LECITHIN—10 bls, P S Royal, Black Gull, Rotterdam
LICORICE ROOT—172 bls, W E Martin, Excambion, Beyrouth
72 bls, Excambion, Beyrouth
LITHOPONE—400 cks, Benj Moore & Co, Veendam, Rotterdam
LYCOPODIUM—1 cs, Batory, Gdynia
MACE—10 cs, Middleton & Co, Ingrid, Grenada
94 cs, Veendam, Rotterdam
MAGNESIA, CALCINED—40 cs, Schofield-Donald Co, Samaria, Liverpool
CARBONATE—50 cs, 120 cks, Schofield-Donald Co, Samaria, Liverpool
MAGNESITE, CALC—30 dms, Speiden, Whitfield & Co, Nieuw Amsterdam, Rotterdam
MANGROVE BARK—250 bgs, City of New York, Dar es Salaam
MEDICINAL PREPS—2 pkgs, C L Huisking & Co, Coamo, San Juan
3 pkgs, Coamo, San Juan
5 cs, Burroughs, Wellcome & Co, American Banker, London
25 cs, Veendam, Rotterdam
MENTHOL—55 cs, Theo Seltzer, Champlain, Havre
5 cs, Wilbur Ellis Co, Tai Yin, Kobe
MICA — 52 cs, Gillespie-Rogers-Pyatt Co, Mathura, Calcutta
BLOCK—30 cs, Steel Traveler, Calcutta
55 cs, Mathura, Calcutta
25 cs, Guaranty Trust Co, Mathura, Calcutta
DISCS—8 cs, Gillespie-Rogers-Pyatt Co, Steel Traveler, Calcutta
FILM—1 cs, Gillespie-Rogers-Pyatt Co, Steel Traveler, Calcutta
SPLITTINGS—29 cs, Gillespie-Rogers-Pyatt Co, Steel Traveler, Calcutta
28 cs, Guaranty Trust Co, Mathura, Calcutta
71 cs, Mathura, Calcutta
MILK POWDER—95 cs, Nestles Milk Prod, Inc, Excambion, Marseilles
MINERALS—3 bxs, Molan McNeil & Co, Jevington Court, Pernambuco
MURU MURU KERNELS—1,650 bgs, General Food Corp, Jevington Court, Para
NAPHTHALENE — 414 bgs, F R Bertrand, Cold Harbor, London
500 bgs, Black Gull, Antwerp
NICOTINE—2 cs, Copex Co, American Banker, London
NUTGALLS—196 bgs, Balfour, Guthrie & Co, Exchange, Lattakia
NUTMEGS—19 bgs, Nieuw Amsterdam, Rotterdam
150 bgs, 1 bx, T Scott & Co, Ingrid, Grenada
OCHER—56 dms, Reichard-Coulston, Samaria, Liverpool
1,300 bgs, 25 cks, E E Marks & Co, Excambion, Marseilles
70 cks, C K Williams & Co, Excambion, Marseilles
10 cks, Grace National Bank, Excambion, Marseilles
35 cks, J A NcNulty, Excambion, Marseilles
OIL, ALMOND—21 cs, Ungerer & Co, American Banker, London
ALMOND BITTER—8 dms Geo Lueders & Co, Excambion, Marseilles
BAY—9 cs, Nerissa, Dominica
BERGAMOT—100 cs, 25 qtr cs, Exchange, Messina
CAMPHOR — 6 dms, Givaudan-Delawanna, Tai Yin, Yokohama
CHINAWOOD—500 tons, Tai Yin, Hongkong
CINNAMON LEAF—2 dms, Mathura, Colombo
CITRONELLA—12 dms, Fritzsche Bros, City of Kimberley, Batavia
3 dms, Colgate-Palmolive-Peet Co, City of Kimberley, Sourabaya
23 dms, City of Kimberley, Sourabaya
6 dms, Orbis Product Corp, Mathura, Colombo
COCONUT—525 tons, Tai Yin, Manila
ESSENTIAL—10 cs, Nieuw Amsterdam, Rotterdam
4 cs, Queen Marv, Southampton
5 cs, American Banker, London
15 cs, President Roosevelt, Havre
18 cs, Champlain, Havre
18 cs, Veendam, Rotterdam
13 pkgs, Excambion, Marseilles
EUCALYPTUS—6 dms, McCoy Sales Corp, Kaipaki, Melbourne
12 dms, 43 cs, Fritzsche Bros, Kaipaki, Melbourne
FISH LIVER—24 dms, Consumers Import Co, Asosan, Yokohama
432 dms, Consumers Import Co, Tai Yin, Yokohama
FUEL—64,289 bbls, Asiatic Petroleum Corp, Spondilus, Aruba
57,634 bbls, Asiatic Petroleum Corp, Binta, Curacao
GERANIUM—10 dms, City of New York, Mombasa
LAVENDER—10 cs, Tombarel Prod Corp, Excambion, Marseilles
LIME DIST—4 cs, Barclay Bank, Van Renssellaer, Demerara
11 dms, Fritzsche Bros, Argentina, Trinidad
22 cs, Ingrid, Roseau
6 cs, D W Hutchison & Co, Ingrid, St Lucia
13 cs, Ingrid, Grenada
4 cs, Gillespie & Co, Talamanca, Kingston
LUBRICATING—220 dms, Webbal Service Co, Emile Francqui, Antwerp
70 dms, Emile Francqui, Antwerp
OITICICA—761 dms, Jevington Court, Fortaleza
101 dms, Bank of Manhattan, Jevington Court, Parnahyba
OLIVE—27 pkgs, Giulia, Palermo
25 dms, Giulia, Algiers
423 cs, Giulia, Seville
14 cs, Excambion, Jaffa
25 dms, National Bank of Greece, Excambion, Piraeus
50 dms, Ionian Bank, Excambion, Piraeus
35 dms, A N Cory, Excambion, Piraeus
25 dms, Leghorn Trading Co, Excambion, Piraeus
150 dms, Comm'l Bank of Greece, Excambion, Piraeus
75 dms, French Discount Bank, Excambion, Piraeus
50 cs, Excambion, Piraeus
77 cs, Excambion, Leghorn
25 dms, A Corrao, Excambion, Genoa
450 cs, Excambion, Genoa
20 pkgs, F T Passantino, Excambion, Marseilles
100 dms, Strohmeyer & Arpe Co, Excambion, Marseilles
50 dms, Leghorn Trading Co Exchange, Rythymno
OLIVE SULPHUR—400,000 kilos, Smith Weihman Co, Exchange, Yera
79,320 kilos, Bank of Greece, Exchange, Rythymno
257,720 kilos, National Bank of Greece, Exchange, Rythymno
ORIGANUM—6 dms, Lo Curto & Funk, Excambion, Beyrouth
PENNYROYAL—2 dms, Exchange, Casablanca
PERILLA—497 tons, Mitsui & Co, Asosan, Kobe
PETITGRAIN—50 cs, Ungerer & Co, Argentina, Buenos Aires
RAPESEED—198 tons, Mitsui & Co, Asosan, Kobe
ROSEWOOD—11 dms, Jevington Court, Manaos
SAGE—3 dms, Dodge & Olcott Co, American Banker, London
SASSAFRAS—23 dms, Norda Essential Oil & Chem Co, Asosan, Kobe
TEASEED—50 tons, Bank of New York, Tai Yin, Hongkong
ORE—38 bgs, Watson, Geach & Co, Santa Inez, Antofagasta
PAPAIN—11 cs, Manufacturers Trust Co, Mathura, Colombo
PEATMOSS—75 bls, Premier Peatmoss Corp, Veendam, Rotterdam
1,100 bls, E Bremerman & Co, Veendam, Rotterdam

Main Office:
RAHWAY, N. J.

NEW YORK
161 Sixth Avenue

PHILADELPHIA
916 Parrish Street

ST. LOUIS
4528 So. Broadway

# MERCK & CO.
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MANUFACTURING CHEMISTS

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MERCK & CO. Limited
MONTREAL
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Rahway, N. J., September 5, 1939

## TO THE TRADE:

The unfortunate catastrophe that has again befallen Europe finds the American chemical industry in a far better position than it was 25 years ago. In 1914, this country was dependent upon European sources for many of its basic drugs and pharmaceutical chemicals and the situation immediately following the commencement of hostilities was a most difficult one.

The foresight of leaders in the industry and the recognition by our government of the necessity of American independence from foreign sources, made possible the development of the domestic chemical industry, and its expansion in the years which followed has resulted in an industry that is well-nigh independent.

The intervening years have seen a well planned program of chemical research and development adopted in this country — a program in which Merck & Co. Inc. have taken part — and the result has been that the various branches in the chemical field are in a much more advantageous position.

So far as we are concerned, we intend to do everything possible to maintain the normal level of trade conditions, and we hope our friends will cooperate with us in this endeavor.

We join with all other Americans in the fervent hope that an early solution of the European difficulties will be accomplished.

Merck & Co. Inc.

**All quotations are understood to be without obligation**

PERFUMERY SYNTH—4 cs, Lo Curto & Funk, Nieuw Amsterdam, Rotterdam
PERU BALSAM—5 cs, Dodge & Olcott Co, American Banker, London
PETROLEUM, CRUDE—68,860 bbls, New York Trust Co, Marathon, Tampico
95,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
81,718 bbls, Standard Oil Co of N J, Thalia, Las Piedras
72,101 bbls, Gulf Oil Corp, Mirlo, Las Piedras
PIMENTO—171 bgs, B H Old & Co, Talamanca, Kingston
100 bgs, E F Leveen & Co, Talamanca, Kingston
350 bgs, Talamanca, Kingston
PITCH—5 bbls, Samaria, Liverpool
STEARIN—52 dms, American Importer, Manchester
POPPYSEED — 200 bgs, Nieuw Amsterdam, Rotterdam
239 bgs, Batory, Gdynia
433 bgs, Superintendence Corp, Batory, Gdynia
200 bgs, Superintendence Corp, Scanstates, Gdynia
350 bgs, Levy & Levis Co, Veendam, Rotterdam
POTASH, CHLORATE—145 dms, C Hardy, Emile Francqui, Antwerp
PERSULPHATE—5 dms, Manahan Chem Co, Nieuw Amsterdam, Rotterdam
SALT—30 kegs, American Banker, London
PUMICE — 1,004 bgs, Whittaker, Clark & Daniels, Giulia, Canneto
3,488 bgs, J H Rhodes & Co, Giulia, Canneto
240 tons, J H Rhodes, Giulia, Canneto
LUMP—100 bgs, J H Rhodes & Co, Giulia, Canneto
17 cks, K F Griffiths & Co, Giulia, Canneto
150 bgs, 3 cks, J H Rhodes & Co, Giulia, Canneto
PYRETHRUM FLOWERS—553 bls, City of New York, Mombasa
125 bls, J Powell & Co, Asosan, Kobe
SEED—4 cs, P H Petry & Co, Excambion, Marseilles
QUASSIA CHIPS—500 bgs, R J Prentiss & Co, Talamanca, Kingston
QUEBRACHO EXTRACT—3,418 bgs, Tannin Corp, Argentina, Buenos Aires
QUICKSILVER — 30 flasks, Chase National Bank, Panuco, Tampico (option London)
75 flasks, N Y & Cuba Mail S S Co, Siboney, Vera Cruz (option London)
RADIUM — 1 cs, Radium Chem Co, Emile Francqui, Antwerp
RAPESEED—376 bgs, Argentina, Buenos Aires
RESIN, ARTIF—1 cs, Hensel, Bruckmann & Lorbacher, American Banker, London
ROTTENSTONE—3 cks, J H Rhodes & Co, Samaria, Liverpool
RUTILE SAND—600 bgs, Kaipaki, Sydney
SARDINE MEAL—2,000 bgs, Mitsui & Co, Asosan, Nagoya
SARSAPARILLA ROOT—16 bls, Panuco, Tampico
SAWDUST—400 bgs, State Chem Co, Veendam, Rotterdam
SESAME SEED—30 bgs, Cristobal, Corinto
36 bgs, Tai Yin, Hongkong
SHELLAC—200 bgs, Wm Zinsser & Co, Mathura, Calcutta
400 bgs, E E Androvette, Mathura, Calcutta
100 bgs, 90 cs, Mac Lac Co, Mathura, Calcutta
150 bgs, Guaranty Trust Co, Mathura, Calcutta
100 bgs, Irving Trust Co, Mathura, Calcutta
BLEACHED, NEEDLE—100 kegs, Gillespie, Rogers, Pyatt Co, Emile Francqui, Antwerp
GARNET LAC—25 bgs, Irving Trust Co, Mathura, Calcutta
SEEDLAC—300 bgs, Wm Zinsser & Co, Mathura, Calcutta
200 bgs, E E Androvette, Mathura, Calcutta
300 bgs, Guaranty Trust Co, Mathura, Calcutta
750 bgs, Ralli Bros, Mathura, Calcutta
SIENNA—4 bbls, Stanley Doggett, Excambion, Leghorn
SILVER SULPHIDES—117 bgs, Santa Inez, Antofagasta
SOAP—7 cs, H Bendel, Champlain, Havre
270 cs, Conti Prod Corp, Excambion, Leghorn
150 cs, J P Smith & Co, Excambion, Marseilles
BASE—47 cs, Yardley & Co, American Banker, London
SHAVING—1 cs, Rolls Razor Co, American Banker, London
TOILET—8 cs, American Shipping Co, Queen Mary, Southampton
3 cs, American Express Co, American Banker, London
8 cs, Globe Shipping Co, Manhattan, Southampton
SODA, CARBONATE, MONOHYDRATE—89 dms, Titan Shipping Co, Samaria, Liverpool
CYANIDE—1,353 dms, American Cyanamid & Chem Co, Veendam, Rotterdam
HYDROSULPHITE—25 kegs, Philipp Bros, Samaria, Liverpool
SOLVENTS—99 dms, P R Alcohol Co, Angelina, Ponce
SPONGES, REFUSE—108 bls, A W Fenton, Siboney, Vera Cruz
SQUILL, LIQUID, RED—6 cs, Ratin Lab, Batory, Copenhagen
STARCH, RICE, POWD—50 bbls, H A Gogarty, Black Gull, Antwerp
SUMAC—350 bgs, Exchange, Palermo
TALC—2,000 bgs, Whittaker, Clark & Daniels, Skjelbred, Kobe
1,070 bgs, L A Salomon & Bros, Skjelbred, Kobe
TAMARINDS—55 bbls, Nerissa, Antigua
TANKAGE—2,540 bgs, Scanmail, Santos
454 bgs, Swift & Co, Scania, Rio Grande
2,026 bgs, Swift & Co, Nordfarer, Buenos Aires
1,893 cakes, 11 bgs, H J Baker & Bros, Nordfarer, Buenos Aires
2,330 cakes, 1,026 bgs, 940 pkgs, Nordfarer, Buenos Aires
2,000 bgs, Montevideo, Santos

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TANKAGE—1,626 bgs, Charles Hollingshead, Montevideo, Montevideo
2,636 cakes, 15 bgs, H J Baker & Bros, Montevideo, Buenos Aires
1,801 bgs, Wessel, Duval & Co, Montevideo, Buenos Aires
1,000 bgs, Swift & Co, Montevideo, Buenos Aires
10,625 bgs, Montevideo, Buenos Aires
TAPIOCA, FLAKE—334 bgs, Stein, Hall & Co, City of Kimberley, Sourabaya
FLOUR—250 bgs, American Cyanamid & Chem Corp, City of Kimberley, Cheribon
250 bgs, Sino Java Hvg, City of Kimberley, Cheribon
750 bgs, City of Kimberley, Batavia
508 bgs, Stein, Hall & Co, City of Kimberley, Sourabaya
TARTAR—213 bgs, Standard Brands, Exchange, Casablanca
THYME LEAVES—47 bls, Excambion, Marseilles
TINFOIL—18 cs, Manhattan, London
TOLU BALSAM—22 cs, Mecke & Co, Santa Rosa, Barranquilla
TONKA BEANS—1 tin, Lamerica Export Co, Argentina, Trinidad
TUCUM KERNELS—409 bgs, General Food Corp, Jevington Court, Parnahyba
TURPENTINE—1 cs, H E Botzon, Panuco, Tampico
VANADIUM—5,251 bgs, Vanadium Corp, Santa Inez, Callao
VANILLA BEANS—21 cs, Integrity Trust Co, Excambion, Marseilles
VARNISH—9 cs, Wedeman & Godknecht, American Banker, London
WATTLE BARK—1,915 bls, City of New York, Mombasa
963 bls, Tannin Corp, City of New York, Durban
WAX, ANIMAL—50 cs, Orbis Product Corp, American Banker, London
BEES—11 bgs, Bingham & Co, Pastores, Puerto Barrios
3 bgs, Luna, Jeremie
63 bgs, Panuco, Tampico
10 bgs, San Juan, Azua
4 bgs, Curacao Trading Co, San Juan, Azua
10 bgs, Mecke & Co, San Juan, Azua
28 bgs, Olaverria & Co, Siboney, Vera Cruz
CANDELILLA—388 bgs, M Argueso & Co, Panuco, Tampico
CARNAUBA—84 bgs, Chase National Bank, Scania, Bahia
70 bgs, Chase National Bank, Jevington Court, Bahia
74 bgs, Bank of London-South America, Jevington Court, Bahia
126 bgs, Jevington Court, Bahia
34 bgs, Jevington Court, Camocin
44 bgs, Lenape Trading Co, Jevington Court, Fortaleza
37 bgs, W R Grace & Co, Jevington Court, Fortaleza
125 bgs, Strahl & Pitsch, Jevington Court, Parnahyba
200 bgs, Brown Bros, Harriman Co, Jevington Court, Parnahyba
414 bgs, Strohmeyer & Arpe Co, Jevington Court, Parnahyba
226 bgs, American Cyanamid & Chem Co, Jevington Court, Parnahyba
80 bgs, Jevington Court, Parnahyba
MINERAL—116 bgs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
WHITNG—2,100 bgs, Emile Francqui, Antwerp
ZINC, CHLORIDE—25 cks, Philip Bauer Co, Black Gull, Antwerp
OXIDE—10 cs, C L Huisking & Co, American Banker, London
ZIRCONIUM SAND—800 bgs, Kaipaki, Sydney

## New York Transit Imports

GREASE, WOOL—5 dms, Samaria, Liverpool, Chicago
MUSTARD SEED—500 bgs, American Banker, London, Rochester
PAPAIN—11 cs, American Ferment Co, City of New York, Mombasa, Buffalo
VANILLA BEANS—10 cs, N Y & Cuba Mail S S Co, Siboney, Vera Cruz, Philadelphia
7 cs, Zink & Triest, Siboney, Vera Cruz, Philadelphia

## Baltimore Imports

BONEMEAL—1,113 bgs, Cape Race, Buenos Aires
2,180 bgs, Livenza, Fiume
2,216 bgs, Exmoor, Burgas
1,000 bgs, Mormacport, Gdynia
CHEMICALS—10 cs, Kyusyu, Kobe
600 bgs, Capulin, Glasgow
100 cks, Black Hawk, Rotterdam
25 cks, Advance Solvents & Chem Co, Black Hawk, Rotterdam
61 cks, Brown Bros & Harriman Co, Beemsterdijk, Rotterdam
CHROME ORE—1,600 tons, City of Bagdad, Mormagao
CLAY—30 cks, Black Hawk, Rotterdam
2 bgs, Black Hawk, Antwerp
100 cks, Beemsterdijk, Rotterdam
COCONUT, DESIC—100 cs, Kyusyu, Davao
FERROMANGANESE — 570 tons, 1,378 bbls, Taurus, Sauda
IRON ORE—21,800 tons, Bethlehem Steel Co, Steelore, Cruz Grande
10,500 tons, Bethlehem Steel Co, Cubore, Daiquiri
LICORICE ROOT—12,324 bls, Dunelmia, Poti
MAGNESITE ORE—10,000 bgs, Akagi, Dairen
MANGANESE ORE — 8,250 tons, Mansepool, Poti
2,000 tons, City of Bagdad, Calcutta
4,274 tons, Dunelmia, Poti
MOLASSES — 735,449 gls, U S Alcohol Co, Catahoula, Ponce
682,108 gls, U S Alcohol Co, Catahoula, San Juan
MYROBALANS — 400 bgs, City of Bagdad, Bombay
OIL, VEGETABLE — 125 dms, Black Hawk, Rotterdam
PAINT, OIL—10 cs, Mormacport, Bergen
PEATMOSS—625 bls, Capillo, Bremen
1,425 bls, Black Hawk, Rotterdam
200 bls, Capillo, Hamburg
PETROLEUM, CRUDE—82,429 bbls, Standard Oil Co of N J, Penelope, Las Piedras
76,980 bbls, Standard Oil Co of N J, Heinrich von Riedemann, Las Piedras
PYRITES—7,650 tons, Victoria, Stratoni
QUEBRACHO EXTRACT—1,000 bgs, Tannin Corp, Mormacsul, Buenos Aires
1,050 bgs, Scanmail, Buenos Aires
6,362 bgs, Tannin Corp, Scanmail, Buenos Aires
11,210 bgs, Cape Race, Buenos Aires
SESAME SEED—56 bgs, Akagi, Tientsin
SODA SILICOFLUORIDE—300 bgs, Mormacport, Copenhagen
SOYBEAN MEAL—40 bgs, Capillo, London
TANKAGE—1,612 bgs, Scanmail, Buenos Aires

## Boston Imports

ACID, CRESYLIC—25 dms, 5 tons, American Express Co, Samaria, Liverpool
NITRIC—20 dms, Advance Solvents & Chemical Corp, Tortugas, Heroen
OIL—100 dms, 56,041 lbs, Black Condor, Antwerp
STEARIC—63 bgs, 11,250 lbs, Manufacturers Chemical Co, Black Condor, Antwerp
BONE PHOSPHATE—260 bgs, 58,007 lbs, Wessel, Duval & Co, Black Condor, Antwerp
CHEMICALS—23 dms, 18,168 lbs, Black Condor, Rotterdam
64 dms, 34,991 lbs, Royal Bank of Canada, Black Condor, Antwerp
20 bbls, 9,744 lbs, Phillip Bros, Black Condor, Antwerp
150 bbls, 33,069 lbs, Black Condor, Antwerp
50 bbls, 23,931 lbs, Industrial Sales Corp, Black Condor, Antwerp
1 csk, President Garfield, Genoa
CHINA CLAY—214 tons, 23 cwt, Moore & Munger, Gudvor, Fowey
1,313 tons, 9 cwt, English China Clays Sales Corp, Gudvor, Fowey
COCOA BEANS—1,000 bgs, 132,276 lbs, Wessels, Kulenkampf & Co, Mormacsun, Bahia
1,500 bgs, 198,414 lbs, Wood & Selick, Mormacsun, Bahia
COCONUT, DESIC—378 cs, Gertrude Maersk, Manila
CODLIVER MEAL—735 hlf bgs, 73,501 lbs, Wessels, Duval & Co, Black Condor, Antwerp
COLOR, EARTH—32 bbls, 11,365 lbs, John A Conkey & Co, Black Condor, Antwerp
COPPERAS—50 csks, 15,432 lbs, Black Condor, Antwerp
25 csks, 8,984 lbs, Chemical Marketing Co, Black Condor, Antwerp
EMERY FILLET—2 cs, C H Powell Co, American Importer, Liverpool
FISH LIVERS—1 bx, Russo & Sons, Saint John, Yarmouth
1 bx, Dench & Hardy, Evangeline, Yarmouth
HALIBUT—46 cs, General Seafoods Corp, Nova Scotia, Halifax
SWORDFISH—1 cs, John Nagle, Saint John, Yarmouth, N S
2 cs, John Nagle, Yarmouth, Yarmouth, N S
32 cs, General Seafoods Corp, Nova Scotia, Halifax
GLASS, PLATE—12 cs, 37,566 lbs, L Solomon & Son, Black Condor, Antwerp
10 cs, 33,796 lbs, Karas & Karas Glass Co, Black Condor, Antwerp
GLUE—27 bdls, Nicholson & Co, Saint John, Yarmouth
GLUESTOCK—63 bgs, 9,869 lbs, Darmstad, Scott & Courtney, Collamer, Dunkirk
FISH—2 bbls, R Ranagan, Saint John, Yarmouth
18 cs, J R Poole Co, Saint John, Yarmouth
HIDE—292 bgs, 25 tons, American Express Co, Nova Scotia, Liverpool
204 bgs, 15 tons, First National Bank, Nova Scotia, Liverpool
50 bls, 2 tons, C H Powell Co, Nova Scotia, Liverpool
280 bgs, American Importer, Manchester
317 bgs, American Express Co, American Importer, Liverpool
GREASE, WOOL—60 bbls, 12 tons, Fred W Damon, Nova Scotia, Liverpool
GUM, INDUSTRIAL—25 cks, 6 tons, J P Marston Co, Samaria, Liverpool
LIVER MEAL—505 bgs, 25 tons, City of Glasgow, Dunedin
MEDICINAL PREPS—1 cs, Sun Wah Co, President Garfield, Hongkong
6 cs, Quong Wo Lung, President Garfield, Hongkong
MICA SCRAP—1,000 bgs, First National Bank, Mathura, Calcutta
SPLITTINGS—33 cs, Gillespie Rogers, Pyatt Co, Steel Traveler, Calcutta
59 cs, National City Bank, Mathura, Calcutta
MILK POWDER—800 bgs, 89,066 lbs, Black Condor, Rotterdam
MUSTARD SEED—100 bgs, 22,046 lbs, Stickney & Poor Spice Co, Black Condor, Rotterdam
OCHER—120 bgs, 15 csks, 15,223 lbs, Reichard Coulston, Excambion, Marseilles
150 bgs, 15 csks, 16,812 lbs, Excambion, Marseilles
OIL, COD—33 csks, 18 dms, White & Hodges, Nova Scotia, St John's, N F
20 dms, Tortugas, Stavanger
50 dms, Tortugas, Oslo
CODLIVER—150 dms, 38,029 lbs, United Drug Co, Black Condor, Rotterdam
220 dms, Mead, Johnson & Co, Nova Scotia, St John's, N F
FUEL—32,500 bbls, 1,365,000 gls, Colonial Beacon Oil Co, William G Warden, Aruba
PEANUT—25 cs, Sun Wah Co, President Garfield, Hongkong
SPERM—200 bbls, 20 dms, American Express Co, American Importer, Glasgow
OSSEIN—1,000 bgs, 102,503 lbs, Atlantic Gelatine Co, Black Condor, Antwerp
1,500 bgs, 167,991 lbs, J C Whitten Co, Black Condor, Antwerp
PETROLEUM, CRUDE—68,163 bbls, 10,237 tons, Colonial Beacon Oil Co, William G Warden, Las Piedras
QUEBRACHO EXTRACT—2,100 bgs, 224,510 lbs, International Products Corp, Mormacsun, Buenos Aires
700 bgs, 76,941 lbs, International Products Corp, Mormacsun, Buenos Aires
649 bgs, 68,391 lbs, Tannin Corp, Mormacsun, Buenos Aires
SAGE LEAVES—50 cs, 1,973 lbs, National Bank of Greece, Excambion, Piraeus
SALTCAKE—200 bgs, 44,092 lbs, Philip Bauer & Co, Black Condor, Antwerp
SHELLAC—25 cs, 5,016 lbs, J Henry Schroeder Banking Corp, Black Condor, Rotterdam
25 bgs, Grace National Bank, Mathura, Calcutta
SEEDLAC—100 bgs, First National Bank, Mathura, Calcutta
200 bgs, Mathura, Calcutta
SILICON CARBIDE—200 cks, American Abrasive Co, Tortugas, Oslo
SOAP—75 cs, 2,910 lbs, Conti Products Co, Excambion, Leghorn
TOILET—1 cs, Lever Bros, Samaria, Liverpool
SODA—50 cks, 11,993 lbs, Irving M Sobin Co, Black Condor, Antwerp
HYDROSULPHITE—85 kgs, 9 tons, Philipp Bros, Samaria, Liverpool
SULPHIDE—115 dms, 58,344 lbs, D C Andrews, Black Condor, Antwerp
STARCH, POTATO—250 bgs, 55,115 lbs, Black Condor, Rotterdam
TALC—250 bgs, 55,115 lbs, Whittaker, Clark & Daniels, Collamer, Havre
250 bgs, 55,115 lbs, Whittaker, Clark & Daniels, Excambion, Marseilles
TAPIOCA FLOUR—276 bgs, First National Bank, Muncaster Castle, Pasoeroean
751 bgs, Muncaster Castle, Cheribon
TARTAR—45 bgs, 10,119 lbs, Excambion, Marseilles
ZINC, OXIDE—15 bbls, 3,703 lbs, E & F King & Co, Black Condor, Antwerp

## Corpus Christi Imports

GASOLINE — 24,707 bbls, Dolomite IV, port Isabel

## Galveston Imports

POTASH ETHYLE XANTHATE — 101 dms, Patrick Henry, Rotterdam

## Houston Imports

ACID, CRESYLIC—18 dms, Belgique, Antwerp
COCONUTS—126 bgs, Stella Lykes, Ponce
GLASS, WINDOW—19 cs, Burgerdijk, Antwerp
LEATHER MEAL—1,016 sx, Burgerdijk, Rotterdam
MUSTARD—20 cs, Burgerdijk, Rotterdam
DROSS—510 bgs, Burgerdijk, Rotterdam
PEATMOSS—850 bls, Burgerdijk, Rotterdam
300 bls, Hamein, Hamburg
PETROLEUM, CRUDE—90,622 bbls, Pericles, Tuxpam
POLISH—1 cs, West Harshaw, Liverpool
TUNGSTEN, POWD—50 dms, West Harshaw, Liverpool

## Los Angeles Imports

ANTIMONY ORE—85,000 lbs, From Mexico
BONE, GROUND—50 bgs, 11,200 lbs, Lochkatrine, London
PHOSPHATE—784 bgs, 78,400 lbs, San Antonio, Antwerp
CARAWAY SEED—200 bgs, 20,000 lbs, Lochkatrine, Rotterdam
FISH LIVERS—138 tins, 5,520 lbs, Kiyokawa, Japan
GLASS, ROLLED—7 cs, 3,980 lbs, Mount Ida, Brussels
SHEET—160 cs, 17,640 lbs, President Polk, Milan
WINDOW—250 pkgs, 13,970 lbs, Elias G Kulukundis, Brussels
809 pkgs, 45,760 lbs, San Antonio, Brussels
GUM, VEGETABLE—4,480 lbs, President Polk, Milan
GYPSUM, CRUDE—7,318,080 lbs, Griffco, San Marcos Island
INCENSE POWDER—110 lbs, Skjelbred, Kobe
INK, INDIA—40 lbs, Kano, Yokohama
INSECTICIDE—500 lbs, Keiyo, Kobe
1,200 lbs, Lochkatrine, Rotterdam
KELP MEAL—2,000 lbs, Taiyo, Tokyo
LOOFAH—60 lbs, President Coolidge, Tokyo
MARMITE EXTRACT—2,240 lbs, Lochkatrine, London
MEDICINAL PREPS—3 lbs, From Paris
MERCURY ORE, CONC—270 lbs, From Mexico
OIL, CHINAWOOD—30 dms, 12,000 lbs, Grete Maersk, Hongkong
CODLIVER—100 dms, 22,500 lbs, Benj Franklin, Oslo
75 dms, 16,880 lbs, Benj Franklin, Bergen
10 dms, 2,250 lbs, Benj Franklin, Hull
COTTONSEED—1,766,590 lbs, West Ivis, Sao Paulo
OLIVE—25 dms, 11,020 lbs, President Polk, Marseilles
55 cs, 5,700 lbs, President Polk, Genoa
PEATMOSS—800 bls, 123,200 lbs, Lochkatrine, Amsterdam
100 bls, 15,680 lbs, Lochkatrine, Vroomshoop, Holland
PEPPER, DECORTICATED—2,240 lbs, Lochkatrine, London
SEAWEED, ADVANCED—40 lbs, Keiyo, Kobe
DRIED—340 lbs, Kano, Yokohama
SHELLAC—160 lbs, From Calcutta
SILVERSAND—1,456,000 lbs, San Antonio, Moll
SOAP—5,300 lbs, Lochkatrine, Marseilles
STARCH, POTATO—240 lbs, Asosan, Kobe
SULPHUR—220 lbs, Lochkatrine, Kreuznach, Germany
TAPIOCA FLOUR—301 bgs, 64,580 lbs, Manoeran, Batavia
TOILET PREPS—40 lbs, Keiyo, Kobe
80 lbs, Lochkatrine, London
TUCUM KERNELS—2,501 bgs, 360,000 lbs, West Ivis, Tutoya Bay
WAX, SPERMACETI—600 lbs, From Paisley
600 lbs, Modavia, Paisley

## Mobile Imports

BAUXITE ORE, CRSHD AND DRD—2,560 tons, Dalvangen, Paramaribo

## New Orleans Imports

BAUXITE ORE—2,560 tons, Aluminum Ore Co, Dalvangen, Georgetown
CALCIUM ARSENATE—600 cs, Vermont, Antwerp
COCONUTS—25 sx, J Meyer, San Pablo, Kingston
OIL, COCONUT—916 tons, Gertrude Kellogg, Manila
PINEAPPLE JUICE—100 bbls, H Shufeldt & Co, Santa Marta, Havana
VANILLA BEANS—6 cs, Lusk Shipping Co, St Mary, Gutierrez Zamora

## Norfolk Imports

COCOA MEAL—1,169 bgs, 68,544 lbs, Capillo, London
LEATHER WASTE—675 bgs, 55,888 lbs, Capillo, London
PEATMOSS—1,200 bls, 73 tons, Peat Import Corp, N Y, Capillo, Bremen

## Philadelphia Imports

BERYLLIUM ORE — 759 bgs, Mormacrio, Buenos Aires
BRISTLES — 14 cs, S Letlins Sons, Akagi, Dairen
CARDAMOM SEED — 22 dms, Fred Moller Soehne, Castilla, Dunkirk
CHALK, CRUDE—500 pkgs, Taintor Trading Co, Collamer, Dunkirk
CHROME ORE—4,000 tons, Ferngien, Masinloc
COCOA BEANS—500 bgs, Mormacrio, Victoria
1,000 bgs, Wood & Selick, Scania, Bahia
CORK, VIRGIN—65 bls, Cork Insulation Co, Monstella, Lisbon
2,161 bls, Armstrong Cork Co, Montello, Faro
401 bls, Armstrong Cork Co, Montello, Lisbon
WASTE—450 bls, Chase National Bank, Monstella, Lisbon
8,768 bls, Armstrong Cork Co, Montello, Faro
13,892 bls, Armstrong Cork Co, Montello, Lisbon
1,134 bls, Cork Insulation Co, Monstella, Lisbon
16,650 bls, Cork Insulation Co, Monstella, Sines
426 bls, Armstrong Cork Co, Montello, Faro
2,204 bls, Armstrong Cork Co, Montello, Lisbon
WOOD—875 bls, Cork Insulation Co, Monstella, Sines
106 bls, Armstrong Cork Co, Montello, Faro
313 bls, Armstrong Cork Co, Montello, Lisbon
FISH LIVERS, FROZEN — 280 tins, Silmo Chemical Co, Akagi, Yokohama
FLUORSPAR—209,100 kilos, Executive, Tunis
GLYCERIN—91 dms, Mormacrio, Montevideo
GUM, DAMMAR—100 cs, Tawaii, Batavia
GYPSUM, CRUDE—4,800 tons, U S Gypsum Co, Gypsum King, Windsor
LICORICE ROOT—6,180 bls, Ban of Greece, Exchester, Kylini
MOLASSES — 620,080 gls, North American Trading & Import Co, Frontenac, Sagua la Grande
1,285,731 gls, North American Trading & Import Co, Frontenac, Havana
OIL, CODLIVER—100 dms, Sharp & Dohme, Mormacport, Bergen
520 dms, Mormacport, Bergen

OIL, CODLIVER—25 dms, Loos & Dilworth, Tortugas, Stavanger
65 dms, Mifflin Co, Tortugas, Stavanger
20 dms, John H Wood Co, Tortugas, Stavanger
OLIVE—50 dms, Philadelphia National Bank, Executive, Algiers
RAPE—75 dms, W R Grace & Co, Akagi, Nagoya
TEASEED — 50 dms, Leghorn Trading Co, Akagi, Shanghai
PEATMOSS—190 bls, Premier Peat Moss Co, Scanpenn, Copenhagen
1,100 bls, Peat Import Co, Capillo, Bremen
525 bls, Premier Peat Moss Corpn, Mormacport, Copenhagen
PETROLEUM, CRUDE—116,063 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
POTASH SULPHATE—170 bgs, N V Potash Export Mij, Capillo, Hamburg
RAPESEED—33 bgs, Capillo, Hamburg
SHELLAC—650 bgs, Bank of London & So America, Crown City, Calcutta
TANKAGE—907 bgs, Armour & Co, Mormacrio, Santos
TAPIOCA FLOUR—8,304 bgs, National City Bank, Tawali, Sourabaya
500 bgs, Philadelphia National Bank, Tawali, Cheribon
600 bgs, Chase National Bank, Tawali, Cheribon
200 bgs, Tawali, Batavia
VANILLA BEANS—3 cs, Bank of Manhattan, Tawali, Batavia
WAX, VEGETABLE—500 bgs, J Stern & Co, Akagi, Shanghai

## Portland, Ore., Imports

BLEACHING POWDER—209 dms, Cordillera, Liverpool
FERROMANGANESE—100 tons, Electro-Metallurgical Co, Laurits Swenson, Oslo
GLASS, WINDOW—980 cs, United States National Bank of Portland, Wyoming, Antwerp
IRON OXIDE—18 dms, Reichard Coulston, Cordillera, Liverpool
OIL, CODLIVER—65 dms, Kinney Shipping Co, Laurits Swenson, Oslo
SOAP, SOFT—25 dms, Oregon Marine Supply Co, Laurits Swenson, Oslo
SODA CHLORATE—1,000 dms, International Selling Corp, Wyoming, Havre

## San Diego Imports

COPRA—550 tons, Bradford City, Nato

## San Francisco Imports

ACID, FATTY—900 sks, Mitsubishi Shoji Kaisha, Norfolk, Yokohama
AGAR AGAR—5 bls, Mitsui & Co, Asosan, Kobe
ALKALI—25 cs, Columbia Co, President Coolidge, Hongkong
BONE MEAL, STEAMED—1,000 sks, M W Park & Co, Skjelbred, Tsingtao
BRISTLES—50 cs, Samuel Zeitlin Sons, President Coolidge, Shanghai
50 cs, F H Cone & Co, President Coolidge, Shanghai
100 cs, F H Cone & Co, President Coolidge, Hongkong
185 cs, F H Cone & Co, President Coolidge, Tientsin
55 cs, F H Cone & Co, President Coolidge, Taku Bar
77 cs, Z S Tiao, President Coolidge, Tientsin
12 cs, President Coolidge, Hongkong
61 cs, Robert Schwarz, President Coolidge, Tientsin
104 cs, Nathan Wagman, President Coolidge, Tientsin
174 cs, H Rosenhirsch & Co, Inc, President Coolidge, Tientsin
175 cs, Wooster Brush Co, President Coolidge, Tientsin
181 cs, B C Ritchie Co, President Coolidge, Tientsin
50 cs, Chestnut, Cooper & Co, President Coolidge, Shanghai
6 cs, Goldman, Sachs & Co, President Coolidge, Hongkong
CALCIUM ARSENATE—500 dms, Mitsui & Co, Norfolk, Kobe
CAMPHOR, REFD—5 cs, Mitsui & Co, Asakasan, Kobe
CANARY SEED—254 sks, Leikanger, Buenos Aires
CARAWAY SEED—50 sks, Loch Avon, Rotterdam
CASEIN—417 sks, Leikanger, Buenos Aires
CASSIA—88 sks, French-American Banking Corp, President Coolidge, Hongkong
CHEMICALS—762 sks, Advance Solvents & Chemical Corp, Portland, Hamburg
1,000 sks, Portland, Bremen
90 dms, Wilson & George Meyer & Co, Portland, Antwerp
75 dms, Wilson & George Meyer & Co, Portland, Antwerp (for Oakland)
15 cks, Ore & Chemical Corp, Portland, Antwerp (for Oakland)
CHALK—3 sks, Wilson & George Meyer & Co, Portland, Antwerp
CHILLIES—100 sks, S L Jones & Co, Skjelbred, Kobe
CINNAMON—50 bls, Djambi, Colombo
COBALT METAL—30 kegs, Balboa, Hamina
COCOA BEANS—175 sks, Vandel Commercial Co, Canada, Cristobal
500 sks, Leikanger, Bahia
50 sks, H M Newhall & Co, President Coolidge, Hongkong
COCONUT, DESIC—8,270 pkgs, J E Lowden, President Coolidge, Manila
2 cs, Goldberg, Bowen Co, President Coolidge, Manila
300 cs, Balfour, Guthrie & Co, President Coolidge, Manila
450 cs, Wood & Selick, President Coolidge, Manila
COHUNE KERNELS—350 sks, British Honduras Co, Canada, Cristobal
COPRA MEAL—2,000 sks, M W Park & Co, Djambi, Cebu
EPSOM SALT—10 cs, Loch Avon, London
FILTER PAPER—9 cs, Keiyo, Kobe
2 cs, S Ishimitsu Co, Asosan, Kobe
FLINT PEBBLES—100 sks, Canada, Copenhagen
GINGER ROOT—162 pkgs, President Coolidge, Hongkong
HERBS—7 sks, 1 bl, Natures Herb Co, Portland, Antwerp
INK—3 cs, Hip Hing Co, President Coolidge, Hongkong
2 cs, Chong Kee Chan Co, President Coolidge, Hongkong
5 cs, Kwong Kee Chan, President Coolidge, Hongkong
IRON OXIDE—80 csks, Loch Avon, Swansea
70 bbls, Loch Avon, Rotterdam
ISINGLASS—10 bls, S Ishimitsu Co, Asosan, Kobe
KEROSENE—1 cs, Shell Oil Co, Loch Avon, Rotterdam
MEDICINAL PREPS—2 cs, Mutual Supply Co, Asakasan, Kobe
1 cs, Asosan, Kobe
1 cs, Tambara & Co, Asosan, Yokohama
4 cs, Hip Hing Co, President Coolidge, Hongkong
1 cs, Woo Kee Co, President Coolidge, Hongkong
4 cs, Chong Kee Chan Co, President Coolidge, Hongkong
1 cs, Sing Chong Co, President Coolidge, Hongkong
26 cs, Tin Bow Tong, President Coolidge, Hongkong
29 cs, Hi Ho Hong, President Coolidge, Hongkong
7 cs, Kwong Yick, President Coolidge, Hongkong
3 cs, Wing Hing Chong, President Coolidge, Hongkong
MILLET SEED—300 sks, S L Jones & Co, Kimikawa, Dairen
OIL, CHINAWOOD—37 dms, and 100 tons, D Hecht & Co, President Coolidge, Hongkong
CITRONELLA—8 dms, Djambi, Batavia (for Oakland)
FISH—12 dms, Mitsui & Co, Asosan, Yokohama
FISH, HARD—1,000 sks, Mitsubishi Shoji Kaisha, Kimikawa, Kobe
FISH, LIVER—2 cs, Henry Kirchamann, Jr, President Coolidge, Manila
LUBRICATING—70 dms, S H Marsily, Portland, Antwerp
PEANUT—100 cs, Hing Wah Tai and Howard Chang, President Coolidge, Hongkong
45 cs, Kwong Yick, President Coolidge, Hongkong
PAPRIKA—100 sks, Canada, Copenhagen
PEANUT MEAL—7,250 sks, Balfour, Guthrie & Co, Norfolk, Tsingtao
3,000 sks, Mitsubishi Shoji Kaisha, Kimikawa, Tsingtao
3,500 sks, Balfour, Guthrie & Co, Kimikawa, Tsingtao
PEATMOSS—300 bls, Canada, Copenhagen (for Oakland)
1,500 bls, Wilson & George Meyer & Co, Canada, Copenhagen (for Oakland)
1,000 bls, Citizens National Trust & Savings Bank, Canada, Copenhagen (for Oakland)
520 bls, Loch Avon, Rotterdam (for Oakland)
800 bls, Balboa, Gothenburg
300 bls, Peat Import Corpn, Portland, Bremen (for Oakland)
PEPPER, BLACK—350 sks, Djambi, Oosthaven
PERILLA SEED—6,670 sks, Mitsubishi Shoji Kaisha, Kimikawa, Dairen
3,345 sks, Mitsui & Co, Kimikawa, Dairen
6,670 sks, Mitsubishi Shoji Kaisha, Skjelbred, Dairen
PETROLEUM, REFD—150 dms, Schou-Gallis Co, Canada, Copenhagen
POLISH, BOOT—2 cs, Hoyt, Shepston & Sciaroni, Loch Avon, London
4 cs, Pacific Enterprise, Manchester
RHUBARB—12 cs, Ellis A Beaumont, President Coolidge, Shanghai
SAGO FLOUR—160 sks, Djambi, Singapore
SOAP—2 cs, Swedish Imports & Exports Co, Balboa, Gothenburg
SADDLE—80 cs, Hoyt, Shepston & Sciaroni, Loch Avon, London
TOILET—1 cs, J de la Rama Co, President Coolidge, Manila
SODA CYANIDE—500 dms, Loch Avon, Rotterdam
STARCH—50 cs, Kwong Kee Chan, President Coolidge, Hongkong
STEARIN—200 sks, Mitsubishi Shoji Kaisha, Norfolk, Kobe
SULPHUR—10 cs, President Hayes, Marseilles
SUMAC—70 sks, Loch Avon, Rotterdam
TALLOW—150 dms, Willits & Co, Kingsley, Vancouver
100 dms, Willits & Co, Rosebank, Vancouver
TAPIOCA, FLAKE, SIFTINGS—36 sks, American Trust Co, Djambi, Sourabaya
FLOUR—55 sks, American Trust Co, Djambi, Sourabaya (for Oakland)
500 sks, American Trust Co, Djambi, Cheribon
1,883 sks, Djambi, Cheribon
PEARL—28 sks, Djambi, Cheribon
SEED—81 sks, Djambi, Cheribon
TARTAR, RAW—600 sks, Bank of California, N A, President Hayes, Marseilles
TOILET PREPS—1 cs, Mutual Supply Co, Asosan, Kobe
1 cs, Tambara & Co, Asosan, Yokohama
WAX, VEGETABLE—10 cs, Pacific Trading Co, Kimikawa, Kobe

## Savannah Imports

AMMONIA SULPHATE—Quantity, Sundance, Rotterdam
GYPSUM ROCK—2,925 tons, Orion, Dingwell

## Seattle Imports

CHEMICALS—5 cs, Balboa, Gothenburg
GLASS, WINDOW—115 cs, United States National Bank of Portland, Wyoming, Antwerp
OCHER—20 cks, 80 sks, L H Butcher Co, Leme, Marseilles
OIL, CODLIVER — 110 dms, International Shipping Co, Laurits Swenson, Oslo
SODA CHLORATE—1,000 dms, International Selling Corpn, Wyoming, Havre

# Exports from U.S. Ports

## New York Exports

### Clearance Dates

Agwistar, August 25; American Merchant, August 25; American Trader, August 18; Bennestvet, August 25; Brazil, August 11; Cameronia, August 23; Coamo, August 10; Dromore Castle, August 10; Examiner, August 17; Exmouth, August 24; Frida, August 11; Jamaica, August 19; Kaimata, August 11; Kungsholm, August 18; Laila, August 25; Mokihana, August 15; Mormacwren, August 25; Musa, August 4; Oriente, August 18; Penrith Castle, August 12; Platano, August 11; Ponce, August 26; President Roosevelt, August 16; Queen Mary, August 23; San Juan, August 12; Statendam, August 24; Talamanca, August 23; Temnaren, August 25; Toronto City, August 25; Uruguay, August 25; Voco, August 25; Washington, August 8

ACID, CITRIC—1,336 lbs, Musa, Barranquilla
CRESYLIC—2,024 lbs, Talamanca, Barranquilla
MURIATIC—3,860 lbs, Platano, Kingston; 3,860 lbs, Talamanca, Kingston
TARTARIC—1,268 lbs, Musa, Barranquilla
ALCOHOL, ISOPROPYL—3,850 gls, American Trader, London
ALUMINA, ACTIVATED—4,589 lbs, Washington, Havre
BUTYL, SECONDARY—1,650 gls, Kaimata, Melbourne
SULPHATE—40,400 lbs, Talamanca, Cartagena
ASPHALT—10,114 lbs, Dromore Castle, Capetown
ASPHALT, LIQUID — (Kaimata) 20,872 lbs, Melbourne; 10,106 lbs, Freemantle; 26,162 lbs, Adelaide; (Washington) 24,928 lbs, Oslo; 4,125 lbs, Havre; 32,568 lbs, St Nazaire
BLUE, LAUNDRY—1,589 lbs, Musa, Corinto
ULTRAMARINE—1,136 lbs, Agwistar, Tampico; 2,404 lbs, Laila, Guayaquil
VITRIOL—20,156 lbs, Frida, Buenaventura
CALCIUM CHLORIDE—48,633 lbs, American Merchant, London
CYANIDE—(Kaimata) 11,640 lbs, Sydney; 3,660 lbs, Melbourne
CARBON BISULPHIDE—(Musa) 12,030 lbs, Port Limon; 2,880 lbs, Barranquilla; (Laila) 11,376 lbs, Buenaventura; 3,412 lbs, Coquimbo
DISULPHIDE—6,503 lbs, Platano, Panama
CHALK, PRECIP—180,800 lbs, Kaimata, Sydney
CHEMICALS—5,694 lbs, Washington, Havre; 1,146 lbs, Coamo, San Juan; 4,134 lbs, American Merchant, London; 1,290 lbs, Queen Mary, London (Mormacwren) 7,600 lbs, Gdynia; 1,550 lbs, Stockholm; 2,171 lbs, Uruguay, Rio Janeiro; 8,030 lbs, American Trader, London
CHLORINE—6,799 lbs, Musa, Barranquilla
CLAY—33,600 lbs, Kungsholm, Gothenburg
CLEANER—5,151 lbs, Ponce, San Juan
COALTAR DISTILLATE—3,224 lbs, Penrith Castle, Manila
INTERMEDIATES — 4,520 lbs, Agwistar, Tampico
COLOR, DRY—34,072 lbs, Penrith Castle, Manila; 9,152 lbs, Musa, Panama; 2,409 lbs, Talamanca, Barranquilla
CORN FLOUR—8,520 lbs, Jamaica, Havana; 5,640 lbs, Oriente, Havana; (Frida) 2,118 lbs, Buenaventura; 29,177 lbs, Guayaquil; 3,755 lbs, Paita; 10,650 lbs, San Juan, San Juan
SUGAR—1,015 lbs, Bennestvet, Port Spain
SYRUP—(Mokihana) 6,798 lbs, Honolulu; 1,265 lbs, Kahului; 11,412 lbs, Jamaica, Havana; (Laila) 10,678 lbs, Guayaquil; 7,823 lbs, Callao; 53,147 lbs, Mormacwren, Stockholm; 33,486 lbs, Temnaren, Gothenburg; 22,500 lbs, Toronto City, Cardiff
DEXTRIN—2,820 lbs, Oriente, Havana
CORN—(Kaimata) 15,792 lbs, Sydney; 15,796 lbs, Melbourne
DICHLORODIFLUOROMETHANE — 4,917 lbs, Washington, Havre; 1,933 lbs, Temnaren, Stockholm
DIPHENYL—2,339 lbs, Washington, Havre
DRUGS—2,261 lbs, President Roosevelt, Havre; 2,339 lbs, Brazil, Buenos Aires
DYES, ANILIN—3,060 lbs, Brazil, Montevideo
ETHER—805 lbs, Frida, Callao
ETHYL ACETATE—21,989 lbs, San Juan, San Juan
ETHYL FLUID—(Examiner) 600 gls, Piraeus; 1,560 gls, Constanza; 1,100 gls, Laila, Coquimbo
FERTILIZER — 11,340 lbs, Bennestvet, Grenada
COMPOUND—22,600 lbs, Mokihana, Hilo
FLOTATION REAGENT — 64,604 lbs, Frida, San Antonio
GASOLINE—770 gls, Mormacwren, Gdynia
GLASS, WINDOW—20,216 lbs, American Merchant, London
GLUE—2,124 lbs, Washington, Havre
DRY—1,804 lbs, Brazil, Rio de Janeiro
GLYCERIN — 24,071 lbs, Uruguay, Buenos Aires; 6,232 lbs, Brazil, Buenos Aires
GREASE, LUBRIC — 6,886 lbs, Examiner, Tunis; (Kaimata) 446 lbs, Brisbane; 15,286 lbs, Sydney; (Penrith Castle) 61,475 lbs, Manila; 12,106 lbs, Iloilo; 9,010 lbs, Hongkong; 47,502 lbs, Washington, Havre; (Dromore Castle) 2,010 lbs, Capetown; 6,225 lbs, Port Elizabeth; 134,066 lbs, Durban; 26,342 lbs, Lourenco Marques; 6,364 lbs, Frida, Valparaiso; (Mormacwren) 6,187 lbs, Oslo; 7,275 lbs, Copenhagen; 4,680 lbs, Helsingfors; (Temnaren) 896 lbs, Gothenburg; 1,768 lbs, Malmo; 2,167 lbs, Stockholm; 1,345 lbs, Gavle; 843 lbs, Kungsholm, Gothenburg; 27,060 lbs, Uruguay, Buenos Aires; 13,265 lbs, Toronto City, Bristol; 41,799 lbs, American Trader, London; 10,436 lbs, Cameronia, Glasgow
GUM, ACACIA—2,704 lbs, Uruguay, Buenos Aires
TRAGACANTH—4,550 lbs, Brazil, Rio de Janeiro
INSECTICIDE, AGRIC—11,300 lbs, Examiner, Istanbul
IRON OXIDE—12,430 lbs, Statendam, Amsterdam; 14,676 lbs, American Trader, London
KAVA KAVA ROOT—4,407 lbs, Washington, Hamburg
LARD—62,750 lbs, President Roosevelt, Southampton; 24,800 lbs, Washington, Hamburg; 31,500 lbs, Jamaica, Havana; 39,168 lbs, Frida, Buenaventura; 385,771 lbs, American Merchant, London; 72,070 lbs, Queen Mary, Southampton; 9,075 lbs, Kungsholm, Gothenburg; 158,500 lbs, American Trader, London; 10,984 lbs, Cameronia, Glasgow; (Toronto City) 370,-175 lbs, Bristol; 258,375 lbs, Cardiff; 120,-250 lbs, Swansea
LEAD, WHITE—6,864 lbs, Bennestvet, Paramaribo
LEAVES—5,771 lbs, Washington, Havre
LINING COMP—5,047 lbs, Washington, Hamburg
LINSEED CAKE—451,312 lbs, Washington, Havre; 922,030 lbs, Statendam, Rotterdam
LITHOPONE—5,050 lbs, Jamaica, Havana
MAGNESIA GLYCERITE—4,891 lbs, Brazil, Buenos Aires
MAGNESIUM—1,718 lbs, American Merchant, London
METHANOL—4,840 gls, Kaimata, Sydney
METHYLAMYL ACETATE—7,650 lbs, American Trader, London
METHYLENE CHLORIDE—3,026 lbs, Brazil, Santos
MONOETHANOLAMINE—10,220 lbs, Cameronia, Glasgow; 2,686 lbs, American Trader, London
OIL, CASTOR—525 lbs, Talamanca, Barranquilla
CORN—(Dromore Castle) 2,220 lbs, Capetown; 1,950 lbs, Durban; 3,452 lbs, Lourenco Marques; 1,050 lbs, Beira; (San Juan) 3,193 lbs, San Juan; 1,888 lbs, Ponce; 10,215 lbs, Ponce, San Juan
COTTONSEED—4,521 lbs, Talamanca, Cartagena
EDIBLE—1,000 lbs, Musa, Puntarenas; 3,212 lbs, Laila, Guayaquil
FLOTATION—2,200 gls, Kaimata, Melbourne
LINSEED—6,520 lbs, Ponce, Jobos; 4,570 lbs, San Juan, Mayaguez
LUBRICATING—(Penrith Castle) 7,200 gls, Manila; 825 gls, Iloilo; 2,600 gls, Cebu; (President Roosevelt) 3,486 gls, Hamburg; 4,545 gls, Havre; (Washington) 1,100 gls, Tallin; 990 gls, Bordeaux; 2,200 gls, Dunkirk; 22,825 gls, Havre; (Dromore Castle) 4,400 gls, Capetown; 3,455 gls, Durban; 31,135 gls, Lourenco Marques; (Examiner) 7,420 gls, Tunis; 5,000 gls, Istanbul; 550 gls, Galatz; 385 gls, Mokihana; (Kaimata) 13,970 gls, Brisbane; 86,900 gls, Sydney; 13,430 gls, Melbourne; 2,915 gls, Adelaide; (Musa) 1,650 gls, Colon; 3,450 gls, Guayaquil; 1,375 gls, Platano, Kingston; 4,400 gls, Oriente, Havana; 5,940 gls, Agwistar, Tampico; (Laila) 3,385 gls, Buenaventura; 1,760 gls, Callao; 2,750 gls, Coquimbo; 7,755 gls, Talcahuano; 7,375 gls, Bennestvet, Demerara; (Frida) 3,080 gls, Buenaventura; 1,600 gls, Mollendo; 1,640 gls, Tocopilla; 3,895 gls, Coquimbo; 21,250 gls, San Antonio; 6,515 gls, Talcahuano; 7,450 gls, Statendam, Rotterdam; 1,600 gls, American Merchant, London; (Mormacwren) 2,700 gls, Oslo; 3,700 gls, Copenhagen; 1,925 gls, Stockholm; 3,905 gls, Helsingfors; (Exmouth) 8,745 gls, Piraeus; 4,400 gls, Patras; 1,650 gls, Thessaloniki; (Temnaren) 6,495 gls, Gothenburg; 1,375 gls, Malmo; 11,580 gls, Stockholm; 2,970 gls, Helsingfors; 5,885 gls, Malmo; 835 gls, Kungsholm, Gothenburg; 734,076 gls, Voco, Birkenhead; (Uruguay) 2,640 gls, Montevideo; 2,750 gls, Buenos Aires; 13,-650 gls, Toronto City, Cardiff; 4,213 gls, Cameronia, Glasgow
OLEO—35,205 lbs, Statendam, Rotterdam; 31,384 lbs, Mormacwren, Stockholm; 94,-971 lbs, Temnaren, Stockholm; 38,487 lbs, Cameronia, Glasgow
PEPPERMINT—509 lbs, Mormacwren, Oslo; 320 lbs, Cameronia, Glasgow; 1,573 lbs, American Trader, London
PINE—972 lbs, Musa, Buenaventura; 11,684 lbs, Frida, San Antonio
PAINT—3,354 lbs, Musa, Panama; 13,646 lbs, Platano, Buenaventura; 3,450 lbs, San Juan, San Juan; (Ponce) 5,450 lbs, Ponce; 3,337 lbs, Jobos; 6,548 lbs, Kungsholm, Gothenburg; 7,628 lbs, Uruguay, Buenos Aires; (Brazil) 6,411 lbs, Santos; 14,180 lbs, Buenos Aires
LIQUID—22,518 lbs, Penrith Castle, Manila
THINNER—2,475 gls, American Merchant, London
PARAFFIN—44,489 lbs, Jamaica, Limon; 44,-475 lbs, Platano, Callao; 96,654 lbs, Laila, Taicahuano; 11,096 lbs, Frida, Valparaiso; 4,060 lbs, Mormacwren, Sarpsborg; 11,255 lbs, Exmouth, Thessaloniki; (Temnaren) 22,244 lbs, Gothenburg; 11,122 lbs, Norrkoeping; 55,611 lbs, Malmo; 10,218 lbs, Toronto City, Bristol
SCALE—68,718 lbs, Exmouth, Istanbul
PETROLEUM, REFD — 500 gls, Bennestvet, Paramaribo; 5,000 gls, Brazil, Barbados
PHARMACEUTICALS — 8,300 lbs, American Merchant, London
PINETAR—5,002 lbs, Brazil, Montevideo
POTASH BICHROMATE—12,024 lbs, Mormacwren, Helsingfors
CAUSTIC, FLAKE—9,612 lbs, Kaimata, Sydney
RESIN—15,153 lbs, American Merchant, London; 1,457 lbs, American Trader, London
ROOTS—1,141 lbs, Washington, Havre; 4,476 lbs, Mormacwren, Copenhagen
ROSIN—4,068 lbs, American Trader, London
SOAP—(San Juan) 49,035 lbs, San Juan; 5,300 lbs, Aguadilla; (Ponce) 11,200 lbs, Ponce; 11,050 lbs, Mayaguez; 26,500 lbs, Coamo, San Juan; 17,900 lbs, Brazil, Santos
LAUNDRY—8,475 lbs, Bennestvet, Paramaribo
SODA ASH—54,060 lbs, Mokihana, Honolulu; 2,352 lbs, Talamanca, Barranquilla; 111,-910 lbs, Agwistar, Tampico; 930 lbs, Musa, Panama
BICARBONATE—85,870 lbs, Jamaica, Havana; 453,000 lbs, Agwistar, Tampico; 7,178 lbs, Frida, Guayaquil
BICHROMATE—33,167 lbs, Frida, Tocopilla; 22,465 lbs, Temnaren, Malmo
CHLORATE—(Mokihana) 7,226 lbs, Hilo; 53,660 lbs, Kahului
CAUSTIC—28,645 lbs, Mokihana, Honolulu; (Musa) 3,150 lbs, San Jose; 11,076 lbs, Panama; 14,118 lbs, Talamanca, Barranquilla; 10,785 lbs, Jamaica, Limon; 157,560 lbs, Agwistar, Tampico; (Frida) 27,143 lbs, Paita; 27,143 lbs, Callao; 13,571 lbs, Pisco; 47,938 lbs, Valparaiso; 23,612 lbs, Talcahuano; 1,200 lbs, San Juan, Mayaguez
CYANIDE—28,740 lbs, Frida, Pisco; 9,897 lbs, Laila, Mollendo
HYPOSULPHITE — 5,710 lbs, Uruguay, Santos
PHOSPHATE, TRI—32,466 lbs, Toronto City, Bristol
SILICATE—2,034 lbs, Kaimata, Geelong
POWD—2,224 lbs, Washington, Havre
SULPHITE—3,360 lbs, Penrith Castle, Manila
STARCH, CORN—(Mokihana) 7,971 lbs, Honolulu; 2,737 lbs, Kahului; 3,505 lbs, Dromore Castle, Durban; 2,800 lbs, Platano, Cristobal; (San Juan) 10,613 lbs, San Juan; 7,976 lbs, Mayaguez; 35,250 lbs, Temnaren, Gothenburg; 11,280 lbs, Toronto City, Bristol
SULPHANILAMIDE, POWD—1,300 lbs, Washington, Paris
TALC—6,665 lbs, Brazil, Buenos Aires
TALLOW, DEN—49,618 lbs, Talamanca, Cartagena
TANNING EXTRACT—(Dromore Castle) 10,510 lbs, Port Elizabeth; 7,050 lbs, Lourenco Marques
MATERIAL—9,126 lbs, Temnaren, Malmo; 14,418 lbs, Uruguay, Buenos Aires
TURPENTINE—220 gls, Frida, Buenaventura; 1,000 gls, Brazil, Buenos Aires
VARNISH — 5,880 lbs, Kaimata, Melbourne; 954 lbs, Musa, Puerto Armuelles; 4,400 lbs, Brazil, Montevideo
WITCH HAZEL EXTRACT—513 lbs, American Trader, London
ZINC CHLORIDE—22,928 lbs, Uruguay, Rio de Janeiro
OXIDE—2,260 lbs, Dromore Castle, Lourenco Marques; 860 lbs, Uruguay, Rio de Janeiro
STEARATE — 2,115 lbs, American Trader, London

## Baltimore Exports

### Clearance Dates

Ayuruoca, August 26; Challenge, August 29; Cold Harbor, August 24; Independence Hall, August 26; Knoxville City, August 29; Korsholm, August 26; Kyusyu, August 29; Manchester Division, August 23; Mormacsea, August 28; San Anselmo, August 26; San Bernardino, August 23; Silverlarch, August 30; Thode Fagelund, September 2; West Isleta, August 26; Yamagiri, August 28

AMMONIA SULPHATE—(Knoxville City) 738 tons, Belawan; 650 tons, Cheribon; 750 tons, Semerang; 100 tons, Sourabaya
ASPHALT, SOLID—492,202 lbs, Cold Harbor, Liverpool; 25,536 lbs, Independence Hall, Havre
CADMIUM LITHOPONE—2,512 lbs, Challenge, London
CALCIUM SULPHATE—220 lbs, Challenge, London
CHALK PRECIP—22,400 lbs, Challenge, London
CEMENT, WATERPROOF—8,000 lbs, Silverlarch, Karachi
CHEMICALS—400 lbs, Cold Harbor, Dublin; 659 lbs, West Isleta, Usumbura
CLAY—1,150 lbs, Mormacsea, Sao Paulo; 50 lbs, Challenge, Celje, Yugoslavia
COALTAR INTERMEDIATES—1,000 lbs, Cold Harbor, Manchester
COLOR, DRY—74 lbs, Mormacsea, Sao Paulo
CORNFLOUR—14,000 lbs, Cold Harbor, Liverpool
GLASS FRIT CRSHD—35,000 lbs, Manchester Division, Birmingham; 10,000 lbs, Cold Harbor, Birmingham

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GREASE, LUBRIC—25,595 lbs, Independence Hall, Rouen; (Yamagiri) 11,250 lbs, Rio Janeiro; 18,750 lbs, Santos; 5,625 lbs, Pernambuco; 9,024 lbs, San Anselmo, Chile; (Korsholm) 823 lbs, Gothenburg; 3,818 lbs, Helsinki; (Kyusyu) 164,661 lbs, Osaka; 3,735 lbs, Yokohama
INSECTICIDE—4,700 lbs, Kyusyu, Osaka
OIL, CREOSOTE—10,072 lbs, San Bernardino, Cristobal
LUBRICATING—667 gls, Korsholm, Gothenburg
POLISH—2,606 lbs, West Isleta, Durban
PORCELAIN ENAMEL FRIT—33,015 lbs, Mormacsea, Sao Paulo; 1,300 lbs, Challenge, Celje, Yugoslavia
OPACIFIER—100 lbs, Mormacsea, Sao Paulo
RUTILE—2,240 lbs, Cold Harbor, Liverpool
SAND, PREPARED—1,519 lbs, Challenge, London
SODA BICHROMATE—324,800 lbs, Cold Harbor, Glasgow; 22,046 lbs, Independence Hall, Bordeaux; 4,480 lbs, Silverlarch, Madras
CAUSTIC—200,200 lbs, Ayuruoca, Santos; 217,000 lbs, Thode Fagelund, Rio Janeiro
SOYBEAN—20,100 lbs, Challenge, London
STARCH—140,000 lbs, Silverlarch, Calcutta; 26,880 lbs, Challenge, Dundee
TALLOW—20,764 lbs, San Bernardino, Dominican Republic
TANNING EXTRACT—550 lbs, Manchester Division, Liverpool; 13,006 lbs, Cold Harbor, Manchester

## Beaumont Exports

### Clearance Dates

Fagerfjell, August 29; Strinda, August 29

PETROLEUM, CRUDE—117,513 bbls, Strinda, Montreal; 94,000 bbls, Fagerfjell, Montreal

## Boston Exports

### Clearance Dates

Beemsterdijk, August 28; Evangeline, August 26, 28; Laconia, August 26; Lady Hawkins, August 26; Saint John, August 25; Tela, August 28; Yarmouth, August 27

ACID, BORIC—3 bgs, 300 lbs, Saint John, Yarmouth, N S
AMMONIA, ANHYD—167 cyls, 25,050 lbs, Beemsterdijk, Port Marshall
BORAX—10 sks, 1,000 lbs, Saint John, Yarmouth, N S
BRISTLES—30 cs, 3,183 lbs, Yarmouth, St John, N B
CEMENT, RUBBER—(Tela) 5 dms, 25 gls, Havana; 1 cs, 50 gls, Fort Clayton, C Z
DRESSING, SHOE—2 cs, 170 lbs, Laconia, Margoa Goa; 15 cs, 5 ctns, 1 bbl, 1,597 lbs, Tela, Havana
GLUE, PHOTO-ENGRAVING—6 cs, 180 lbs, Beemsterdijk, Amsterdam
GREASE, LUBRIC—5 dms, 75 pls, 45 pkgs, 8,675 lbs, Evangeline, Halifax
HERBS—2 ctns, 1 bg, 1 bbl, 221 lbs, Evangeline, Halifax
INK, MARKING—1 cs, 32 lbs, Laconia, Leicester
PRINTING—1 cs, 40 lbs, Laconia, Manchester; 3 cs, 310 lbs, Tela, Havana
MEDICINAL PREPS—2 cs, 252 lbs, Lady Hawkins, Hamilton; 6 straps, 6 cs, Tela, Havana
OIL, COALTAR—10 dms, 4,387 lbs, Tela, Havana
LUBRICATING—14 dms, 356 ctns, Evangeline, Halifax; 1 dm, 55 gls, Saint John, Yarmouth, N S; 4 cs, 135 gls, Laconia, Leicester; 70 cs, 2,403 lbs, Yarmouth, St John, N B
SALT, CELERY—2 kgs, 200 lbs, Evangeline, Halifax
SODA, BISULPHITE—15 dms, 6,450 lbs, Tela, Havana
TEXTILE COMP—37 bbls, 2,030 gls, Beemsterdijk, Rotterdam

## Corpus Christi Exports

### Clearance Dates

Inverlane, August 17; Shervan, August 12; Tibia, August 17

GASOLINE—66,502 bbls, Shervan, Curacao
OIL, GAS—81,370 bbls, Tibia, Curacao; 29,089 bbls, Inverlane, Flushing
PETROLEUM, CRUDE—43,443 bbls, Inverlane, Flushing

## Galveston Exports

### Clearance Dates

Antilla, August 25; Braheholm, August 26; Burgerdijk, August 28; Lenda, August 28; Patrick Henry, August 28; Rhein, August 26; Syros, August 25; West Chatala, August 29

BISMUTH METAL—20 tons, Syros, Havre; 25 tons, Burgerdijk, London
CARBON BISULPHIDE—3 tons, West Chatala; Havana
ROSIN—100 bbls, Rhein, Manila
SULPHUR—3,000 tons, Antilla, Hamburg; 11 tons, Braheholm, Gothenburg; 1,000 tons, Lenda, Havre; 2,500 tons, Patrick Henry, Rotterdam; 25 tons, West Chatala, Havana

## Houston Exports

### Clearance Dates

Anna Knudsen, August 29; Burgerdijk, August 26; Campeche, August 23; Delaware, August 25; Hameln, August 28; Kimikawa, August 26; Noravind, August 24; Petter, August 26; San Mateo, August 25; Syros, August 26; Vermont, August 28; West Chatala, August 26; West Cobalt, August 29

ASPHALT—35 tons, San Mateo, for France
BLACK, CARBON—150 cs, Delaware, Copenhagen; 10,000 pks, San Mateo, France; (Syros) 3,322 bgs, 200 cs, Havre; 100 cs, Antwerp; 3 cs, Rotterdam; (Kimikawa) 150 tons, Yokohama; 10 tons, Osaka; 150 tons, Kobe; (Burgerdijk) 3,945 bgs, 554 cs, London; 15 cs, 1,367 bgs, Antwerp; 310 bgs, 83 cs, Rotterdam; 5,100 pkgs, Vermont, France; 4,520 pkgs, Hameln, Germany; 2,200 bgs, 85 cs, West Cobalt, Liverpool
CLAY—672 bgs, West Cobalt, Liverpool
COTTON LINTERS—700 bls, Kimikawa, Kobe; 200 bls, Vermont, for France
GASOLINE—5 dms, Syros, Havre
OIL—(West Chatala) 30 tons, Havana; 150 tons, Cristobal
FUEL—97,156 bbls, Anna Knudsen, Germany
BUNKER—14,200 tons, Petter, Germany
GAS—10,500 tons, Noravind, Curacao
LUBRICATING—28,000 bbls, Campeche, Santander-Bilbao; 65 dms, Vermont, France
SOAPSTOCK—150 bbls, West Cobalt, Liverpool
SULPHUR—35 tons, Delaware, Copenhagen; 350 bgs, Hameln, for Germany

## Los Angeles Exports

### Clearance Dates

Albertolite, August 22; Alexia, August 22; Bengalen, July 27; Bralanta, August 28; Capella, August 26; Charcas, August 18; Cingalese Prince, July 29; City of Baltimore, August 21; Cymbula, August 24; Elyo, August 22; Gefion, August 25; Goonawarra, August 26; Grete Maersk, August 23; Griffco, August 28; H D Collier, August 23; Hawaiian, August 19; Hoegh Transporter, August 20; John A Brown, July 28; Keiyo, August 16; Kiyo, July 27; Manoeran, August 19; Mariposa, August 16; Modavia, August 24; Oil Pioneer, July 31; Oregon, August 18; Pacific Ranger, August 19; Parrakoola, July 28; Parthenia, August 24; President Coolidge, August 22; President Hayes, August 14; Tancred, August 21; Taybank, August 21; Texas, August 26; W S Miller, August 24; Yamazato, August 22

ACETONE—325 dms, 116,360 lbs, Parrakoola, Melbourne; 67 dms, 22,300 lbs, Pacific Ranger, London; 14 dms, 5,010 lbs, Bengalen, Calcutta; 720 lbs, Charcas, Manzanillo; (Yamazato) 300 dms, 107,410 lbs, Yokohama/Kobe/Osaka; 199 dms, 71,250 lbs, Dairen; (Goonawarra) 50 dms, 17,900 lbs, Melbourne; 25 dms, 8,950 lbs, Adelaide; 13 dms, 4,650 lbs, Brisbane; 92 dms, 32,940 lbs, Tacoma, Antwerp
ACID, BORIC—(Parrakoola) 34 bgs, 3,810 lbs, Brisbane; 185 pkgs, 21,840 lbs, Sydney; 30 bgs, 3,360 lbs, Melbourne; 4 bgs, 450 lbs, Adelaide; (Mariposa) 126 pkgs, 15,320 lbs, Sydney; 10 bgs, 1,120 lbs, Melbourne; (Goonawarra) 10 bgs, 1,120 lbs, Bundaberg; 59 bgs, 6,610 lbs, Brisbane; 20 bgs, 2,240 lbs, Melbourne; 20 bgs, 2,240 lbs, Adelaide; (Tacoma) 3,200 bgs, 358,400 lbs, Antwerp; 840 bgs, 94,080 lbs, Hamburg
CRESYLIC—5,300 lbs, Bengalen, Calcutta
POLYHYDRIC—250 lbs, Goonawarra, Sydney
ALCOHOL, BUTYL—4 dms, 1,480 lbs, Bengalen, Calcutta
ASPHALT—2,000 dms, 956,480 lbs, Parrakoola, Adelaide; 11 dms, 5,220 lbs, President Hayes, Bombay; 3,000 dms, 1,382,080 lbs, Goonawarra, Adelaide
LIQUID—6 cs, 30 pkgs, 5,780 lbs, Bengalen, Calcutta; 5 dms, 2,460 lbs, President Coolidge, Shanghai
REFINED—2,454 dms, 1,122,240 lbs, Parrakoola, Sydney
SOLID—4 dms, 2,110 lbs, Cingalese Prince, Manila; 99 dms, 51,640 lbs, Bengalen, Calcutta; 125 dms, 64,180 lbs, President Coolidge, Shanghai
BENTONITE—200 dms, 55,000 lbs, Pacific Ranger, Tripoli; 400 bgs, 22,400 lbs, Keiyo, Porto Colombia
BORATE—(Oregon) 1,220 bgs, 223,540 lbs, Havre; 3,700 bgs, 566,880 lbs, Dunkirk; 2,410 bgs, 448,330 lbs, Rotterdam; 5,109 bgs, 599,210 lbs, Antwerp; (Tacoma) 1,360 sks, 220,310 lbs, Antwerp; 5,960 bgs, 978,760 lbs, Hamburg
BORAX—(Parrakoola) 153 bgs, 17,140 lbs, Brisbane; 383 bgs, 42,900 lbs, Sydney; 156 bgs, 17,470 lbs, Adelaide; 340 bgs, 38,080 lbs, Melbourne; (Mariposa) 1,114 pkgs, 135,420 lbs, Sydney; 270 bgs, 30,240 lbs, Melbourne; 1,360 bgs, 152,320 lbs, Bengalen, Calcutta; 268 cs, 26,800 lbs Manoeran, Beira; 36 bgs, 4,030 lbs, Tancred, Shanghai; 400 bgs, 44,800 lbs, President Hayes, Hongkong; (Oregon) 2,760 bgs, 302,400 lbs, Havre; 1,560 bgs, 179,200 lbs, Antwerp; 100 bgs, 11,060 lbs, Lisbon; 36 pkgs, 3,600 lbs, Charcas, Amapala; 70 bgs, 7,840 lbs, Hoegh Transporter, Bombay; (Tacoma) 2,760 bgs, 305,300 lbs, Hamburg; 500 bgs, 56,000 lbs, Oporto; 300 bgs, 33,600 lbs, President Coolidge, Hongkong; (Goonawarra) 10 bgs, 1,120 lbs, Sydney; 20 bgs, 2,240 lbs, Bundaberg; 150 bgs, 16,000 lbs, Brisbane; 145 bgs, 16,240 lbs, Adelaide
BUTYL ACETATE—8 dms, 3,150 lbs, Bengalen, Calcutta
CLAY, GRD—1,000 sx, 100,800 lbs, Hoegh Transporter, Pladjoe
CLEANER—14 dms, 5,720 lbs, Mariposa, Melbourne; (President Coolidge) 1,020 lbs, Shanghai; 1,790 lbs, Hongkong
COLOR, DRY—5,840 lbs, Parrakoola, Melbourne; 3,790 lbs, Goonawarra, Melbourne
DEXTRIN, CORN—420 lbs, Mariposa, Melbourne
DIACETONE—3 dms, 1,250 lbs, Parrakoola, Melbourne; 55 dms, 22,340 lbs, Pacific Ranger, London; 5 dms, 2,150 lbs, Tacoma, Antwerp
DIATOMACEOUS EARTH—(Parrakoola) 224 bgs, 22,400 lbs, Sydney; 224 bgs, 22,400 lbs, Melbourne; 336 bgs, 33,600 lbs, Fremantle; 672 bgs, 67,200 lbs, Adelaide; (Pacific Ranger) 28 bgs, 2,240 lbs, London; 97 bgs, 8,920 lbs, Manchester; 112 bgs, 11,200 lbs, Liverpool; (Hoegh Transporter) 375 bgs, 34,160 lbs, Madras; 560 bgs, 56,000 lbs, Bombay
ETHYL KETONE—151 dms, 55,260 lbs, Oregon, Havre; (Yamazato) 45 dms, 16,470 lbs, Yokahama/Kobe; 23 dms, 8,420 lbs, Yokahama; 9 dms, 3,290 lbs, Osaka; 18 dms, 6,590 lbs, Goonawarra, Adelaide; 220 dms, 80,510 lbs, Hoegh Transporter, Karachi
GASOLINE—71,352 bbls, John A Brown, Manila/Cebu; 1,000 cs, Bengalen, Cebu; 67,946 bbls, Elyo, Dairen; 4,300 dms, Charcas, Puntarenas; 75,065 bbls, W S Miller, Vladivostok; 97,875 bbls, H D Collier, Cherbourg/Havre/Rouen / Bordeaux / Antwerp/Rotterdam
AVIATION—(Charcas) 50 dms, Puntarenas; 1,000 dms, Guayaquil
GUM, CHICLE—127 bbls, 34,670 lbs, Mariposa, Sydney; 106 bbls, 31,980 lbs, Goonawarra, Sydney
KELP MEAL—300 bgs, 33,600 lbs, Modavia, Vancouver
KEROSENE—35,561 bbls, John A Brown, Manila/Cebu; (Bengalen) 5,000 cs, Cebu; 2,000 cs, Penang
DISTILLATE—66,346 bbls, Oil Pioneer, Curacao; 30,533 bbls, Bralanta, Yokohama
LACQUER—7,890 lbs, Cingalese Prince, Manila; 13,460 lbs, President Hayes, Manila; (Hoegh Transporter) 360 lbs, Manila; 1,370 lbs, Bombay; 480 lbs, Karachi; 2,030 lbs, Hawaiian, San Juan
THINNER—1,920 lbs, Cingalese Prince, Manila; 15,360 lbs, Bengalen, Singapore; 400 lbs, Tancred, Manila; 2,880 lbs, President Hayes, Bombay; (Hoegh Transporter) 850 lbs, Karachi; 2,550 lbs, Bombay
LINSEED MEAL—8,960 bgs, 1,254,400 lbs, Oregon, Havre
MOLYBDENITE CONC—58 dms, 40,600 lbs, Oregon, Havre
OIL, COTTONSEED, REFD—224 dms, 89,600 lbs, Hoegh Transporter, Manila
DIESEL—(Kiyo) 20,790 bbls, Keelung; 14,403 bbls, Shimonesaki; 9,740 bbls, John A Brown, Manila/Cebu; 1,571 bbls, Taybank, Manila; 7,299 bbls, Hoegh Transporter, Bombay; 343 bbls, Griffco, Santa Rosalia
FUEL—10,015 bbls Cymbula, Balboa; 5,014 bbls, Quepos; (Capella) 46,499 bbls, Tocopilla; 40,202 bbls, Chanaral
FURNACE—83,277 bbls, Alexia, Curacao
GAS—(Cymbula) 41,747 bbls, Balboa; 25,062 bbls, Quepos
LEMON—200 lbs, Parrakoola, Prahran; 770 lbs, Pacific Ranger, London
LUBRICATING—90 dms, Parrakoola, Adelaide; (Bengalen) 62 dms, Singapore; 63 pkgs, 5 dms, Batavia; 71 pkgs, 12 dms, Sourabaya; 16 dms, Semarang; 32 dms, Belawan; 3 dms, Medan; 6 cs, Padang; 75 dms, Mariposa, Sydney; (Tancred) 40 cs, Manila; 196 dms, 137 ctns, Hongkong; 10 dms, President Hayes, Cochin; 65 dms, Hoegh Transporter, Rangoon; 200 dms, President Coolidge, Shanghai; 4 dms, 1,940 lbs, Griffco, Santa Rosalia
OLEO—10 dms, 4,350 lbs, President Hayes, Hongkong
ORANGE—200 lbs, Mariposa, Sydney
PAINT—450 lbs, Tancred, Manila; 350 lbs, Hoegh Transporter, Manila; 870 lbs, Hawaiian, San Juan
MATERIALS—3,470 lbs, Goonawarra, Melbourne
THINNER—8,000 lbs, Tancred, Manila; 210 lbs, Hoegh Transporter, Manila
PECTIN, CITROUS—1,000 lbs, Mariposa, Sydney; 1,800 lbs, Modavia, Edmonton; 1,000 lbs, Parthenia, London
PETROLEUM, CRUDE—37,122 bbls, Kiyo, Kudamatsu; 104,284 bbls, W S Miller, Vladivostok; 63,688 bbls, Albertolite, Ioco; 76,957 bbls, Bralanta, Yokohama
GAS, LIQ—254 cyls, Mariposa, Sydney
POLISH—1,380 lbs, Mariposa, Melbourne
POTASH MURIATE—2,000 bgs, 441,280 lbs, Yamazato, Kobe; 1,516,480 lbs, Hawaiian, San Juan; (Texas) 29,924 bgs 4,630,080 lbs, Kobe; 62,510 bgs, 11,023,040 lbs, Yokohama
REAGENT—4 dms, 800 lbs, Bengalen, Kuala Lumpur
SILICATE—300 bgs, 31,360 lbs, Mariposa, Melbourne
SOAP—100 ctns, 5,000 lbs, Hawaiian, San Juan
SODA ASH—3,600 bgs, 403,200 lbs, Hoegh Transporter, Madras
SILICATE—200 sx, 30,000 lbs, President Coolidge, Manila
SOLVENTS—(Yamazato) 300 dms, 95,510 lbs, Yokohama; 100 dms, 31,750 lbs, Osaka
STEARIN, WAX—1,200 bgs, 120,000 lbs, President Coolidge, Manila
TALC—2,000 lbs, Mariposa, Sydney; 10 bgs, 2,020 lbs, Charcas, San Jose de Guatemala
TALLOW, INED—50 dms, 21,290 lbs, Charcas, San Juan del Sur
TOILET PREPS—330 lbs, Bengalen, Batavia; 100 lbs, Mariposa, Nauru; 1,110 lbs, President Hayes, Singapore; (Charcas), 1,300 lbs, Guatemala; 360 lbs, San Salvador; 250 lbs, Tegucigalpa; (City of Baltimore) 530 lbs, Colon; 360 lbs, Port Prince; 600 lbs, Hawaiian, Ciudad; (President Coolidge) 1,500 lbs, Hongkong; 200 lbs, Bangkok; 770 lbs, Parthenia, London
VARNISH—930 lbs, Hawaiian, San Juan
ZINC DUST—1,000 lbs, Charcas, Amapala

## New Orleans Exports

### Clearance Dates

Aachen, August 16; Acavus, August 31; Breedijk, August 23; Cefalu, July 11, July 25; City of Joliet, August 12; Contessa, July 3, July 18; Dessau, August 3; Effingham, August 12; Istria, August 22; Laura C, August 22; Lindvangen, August 12; Morazan, July 6, July 20; Nidardal, August 11; Oakwood, August 22; Sixaola, July 28; Syros, August 22; Tegucigalpa, July 14, July 28; Ulua, July 25; Vestvangen, August 4; Wawa, July 22

ACETONE—1,280 dms, Effingham, Hull
ASPHALT—25 dms, Lindvangen, Georgetown; 70 tons, Dessau, Hamburg; 20 tons, Tegucigalpa, Vera Cruz; 5 tons, Cefalu, Panama City; (Breedijk) 60 tons, London; 15 tons, Rotterdam; 1 ton, Amsterdam
GILSONITE—815 sx, Oakwood, Susak; 20 tons, Breedijk, Antwerp
BARYTES, GRD—25 tons, Contessa, Havana
BLACK, CARBON—747 cs, Effingham, Hull; 260 cs, City of Joliet, Havre; 19 tons, Dessau, Hamburg; 5 tons, Tegucigalpa, Vera Cruz; 350 sx, Syros, Havre; 197 sx, Oakwood, Genoa; (Breedijk) 34 tons, London; 21 tons, Antwerp; 57 tons, Istria, Marseilles
CARBON, BISULPHIDE—24 tons, Tegucigalpa, Vera Cruz
DIOXIDE—58 cyls, Cefalu, Colon
CELLULOSE FILM—10 tons, Morazan, Vera Cruz
CLAY, COMMON, GRD—13 tons, Dessau, Hamburg
COALTAR—1 ton, Contessa, Colon
CORN SYRUP—191 bbls, Effingham, Hull
COTTON LINTERS—4,840 bls, Dessau, Hamburg; 1,642 bls, Aachen, Hamburg
COTTONSEED HULL SHAVING PULP—(City of Joliet) 213 bls, Rotterdam; 71 bls, Havre; 457 bls, Oakwood, Genoa
MEAL—1 ton, Ulua, Tela
CREOSOTE—1 ton, Contessa, Colon
DIATOMACEOUS EARTH—11 tons, Nidardal, San Nicholas
ENAMEL—3 tons, Tegucigalpa, Tampico
FIRECLAY—10 tons, Sixaola, Guayaquil; 1 ton, Tegucigalpa, Vera Cruz; 111 sx, Oakwood, Trieste; 5 tons, Breedijk, Rotterdam; 57 tons, Cefalu, Havana; 111 tons, Contessa, Tocopilla
GASOLINE—(Wawa) 160 dms, Puerto Cabezas; 200 dms, Ceiba
AVIATION—1,000 dms, Wawa, Puerto Cabezas
GLASS BORAX — 2 tons, Contessa, Puerto Cabezas
GLUCOSE—21 tons, Cefalu, Havana
GREASE, LUBRIC—16 dms, Sixaola, Havana; 63 dms, Morazan, Vera Cruz; 5 dms, Cefalu, Havana; 29 tons, Aachen, Hamburg
GYPSUM—14 tons, Vestvangen, Ciudad Trujillo
INK—(Cefalu) 3 tons, Havana; 1 ton, Callao; (Tegucigalpa) 1 ton, Tampico; 1 ton, Vera Cruz
INSECTICIDE—15 dms, Cefalu, Havana
KEROSENE—75 cs, Sixaola, Puerto Limon; 100 cs, Lindvangen, Kingston; 600 cs, Ulua, Tela; (Cefalu) 1,000 cs, Colon; 6 dms, 25 cs, Puerto Cabezas; 15 cs, Wawa, Puerto Cabezas
LARD—(Sixaola) 200 tins, 400 dms, Havana; 2,200 tons, Puerto Limon; 150 tins, Panama; (Nidardal) 67 tons, La Guaira; 9 tons, Oranjestad; 17 tons, Maracaibo; 8 tons, Cucuta; (Vestvangen) 16 tons, Ciudad Trujillo; 9 tons, San Pedro de Macoris; 2 tons, Maracaibo; 15 tons, Puerto Cabello; 26 tons, La Guaira; 150 tins, Ulua, Puerto Barrios; (Cefalu) 1,050 tins, Panama; 20 crts, Puerto Cabezas; 1,430 tins, Guayaquil; (Contessa) 260 tins, Buenaventura; 575 tins, Panama; 75 dms, Havana; 953 tins, Guayaquil; 4,600 tins, 3 cs, Tegucigalpa, Tampico
LEATHER DRESSING—5 tons, Tegucigalpa, Vera Cruz
LICORICE PASTE—1 ton, Tegucigalpa, Vera Cruz
LITHOPONE—25 tons, Contessa, Havana
MORTAR—2 tons, Contessa, Puerto Cabezas
OIL, CYLINDER—25 bbls, Effingham, Hull
DIESEL—85 tons, Vestvangen, Moengo; 700 bbls, Wawa, Puerto Cabezas; 1,200 bbls, Contessa, Puerto Cabezas; 1,500 bbls, Cefalu, Ceiba
FUEL—1,150 bbls, Lindvangen, Moengo; 1,500 bbls, Cefalu, Ceiba; 3,300 bbls, Contessa, Ceiba
GAS—2 tons, Dessau, Hamburg; 9,000 tons, Acavus, Curacao
LUBRICATING—7 dms, Sixaola, Arica; 100 pls, Effingham, London; 65 bbls, City of Joliet, Havre; 6 tons, Dessau, Hamburg; 219 dms, Morazan, Vera Cruz; (Cefalu) 25 dms, Puerto Cabezas; 30 dms, Havana; (Contessa) 28 dms, Puerto Cabezas; 10 dms, Iquique; 341 dms, Valparaiso; 200 dms, Talcahuano; 75 dms, Antofagasta; 2 dms, Ceiba; 150 pkgs, Oakwood, Genoa; (Laura C) 238 bbls, Trieste; 117 bbls, Naples; 26 bbls, Venice; 265 bbls, Fiume; 46 tons, Aachen, Hamburg; (Istria) 67 tons, Marseilles; 17 tons, Genoa
PINE—2 tons, Sixaola, Callao; 2 tons, Cefalu, Antofagasta
PAINT—1 ton, Morazan, Vera Cruz; 1 ton, Tegucigalpa, Tampico; 2 tons, Contessa, Panama City
PARAFFIN—16 tons, Sixaola, Havana; 30 ctns, 254 sx, Effingham, London; 76 bbls, City of Joliet, Antwerp; 122 tons, Morazan, Vera Cruz; 70 tons, Contessa, Valparaiso; 27 tons, Tegucigalpa, Vera Cruz; (Oakwood) 50 sx, Genoa; 200 sx, Trieste
PETROLATUM—76 tons, Dessau, Hamburg; 15 tons, Breedijk, London; 13 tons, Istria, Marseilles
PINETAR—52 dms, Lindvangen, Georgetown; 17 tons, Tegucigalpa, Vera Cruz
PITCH, PINE—27 bbls, Syros, Havre
QUEBRACHO EXTRACT—23 tons, Tegucigalpa, Vera Cruz
ROOF COATING COMP—1 ton, Sixaola, Havana
ROSIN—7 tons, Sixaola, Puerto Limon; (Contessa) 26 tons, Panama City; 53 tons, Valparaiso; 39 tons, Talcahuano; 7 tons, Breedijk, Antwerp; (Aachen) 51 tons, Hamburg; 11 tons, Bremen-Hamburg
WOOD—75 bbls, Effingham, London; 64 tons, Dessau, Hamburg; 39 tons, Contessa, Talcahuano; 6 tons, Cefalu, Panama City
SALT—(Sixaola) 60 tons, Havana; 3 tons, Puerto Limon; 5 tons, Ulua, Tela; (Cefalu) 55 tons, Havana; 1 ton, Puerto Cabezas; 5 tons, Morazan, Vera Cruz; 27 tons, Contessa, Havana
SOAPSTOCK—36 tons, Breedijk, Rotterdam
SODA, ASH—1 ton, Contessa, Puerto Cabezas
CAUSTIC—137 tons, Morazan, Vera Cruz; 106 tons, Tegucigalpa, Vera Cruz; 23 tons, Contessa, Havana
STARCH—7 tons, Contessa, Havana; 5 tons, Breedijk, Rotterdam
SULPHUR—3,500 tons, Effingham, Hull
CRUDE—1,019 tons, Lindvangen, Port of Spain
SUPERPHOSPHATE—6 tons, Cefalu, Valparaiso
TRIPOLI—315 sx, Syros, Havre
TURPENTINE—50 dms, Sixaola, Havana; 36 tons, Breedijk, London
VARNISH—1 ton, Tegucigalpa, Tampico
WAX, MINERAL—17 sx, City of Joliet, Antwerp
REFD—200 sx, City of Joliet, Rotterdam; 51 pkgs, Oakwood, Genoa

## Norfolk Exports

### Clearance Dates

City of Elwood, August 25; Manchester Division, August 30

GLUE, DRY—1 bx, 65 lbs, City of Elwood, Manila
SODA, CAUSTIC—(City of Elwood) 23 dms, 10,856 lbs, Honolulu; 70 dms, 33,040 lbs, Port Allen; 10 dms, 1,070 lbs, Kaanapoli; 240 dms, 25,680 lbs, Ahukini; 240 dms, 25,920 lbs, Hilo
STARCH, CORN—8,360 bgs, 1,178,760 lbs, Manchester Division, Liverpool
TANNING EXTRACT—2,242 bgs, 340 bbls, 536,519 lbs, Manchester Division, Liverpool
VARNISH—1 bx, 46 lbs, City of Elwood, Manila

## Philadelphia Exports

### Clearance Dates

Alfred Olsen, August 28; Birmania, August 25; Black Eagle August 26; Clan Ranald, August 26; Exermont, August 26; Exmoor, August 30; Gloucester City, August 29; Korsholm, August 29; Mathilda Thorden, August 26; San Angelo, August 28; Tawali, August 30; Vingaren, August 25; West Cusseta, August 26

AMYL ACETATE—1 bx, San Angelo, Medellin
ANTI-KNOCK COMP—(West Cusseta) 275 pkgs, Suez; 50 pkgs, Port Sudan
BLACK, BONE—(Vingaren) 28 bgs, Gothenburg; 14 bgs, Helsingfors
COCOA CAKE—1,280 pkgs, Black Eagle, Amsterdam
COLLODION COTTON—101 pkgs, Black Eagle, Rotterdam
CYANIDE—4 pkgs, West Cusseta, Bombay
DYESTUFFS—50 pkgs, Black Eagle, Antwerp
GASOLINE—110,386 bbls, Alfred Olsen, Helsingfors, Stockholm
GREASE, LUBRIC—90 bbls, Birmania, Susak; 5 pkgs, Black Eagle, Rotterdam; (San Angelo) 2 dms, Panama; 1 cs, Guayaquil; 5 dms, Exmoor, Piraeus
INSECTICIDE—8 dms, San Angelo, Panama; 51 ctns, Tawali, Port Swettenham
LARD—200 tubs, Vingaren, Stockholm
LICORICE PASTE—30 cs, Clan Ranald, East London
LINSEED CAKE—(Black Eagle) 1,850 pkgs, Antwerp; 1,260 pkgs, Rotterdam
MANGANESE ORE—4 pkgs, West Cusseta, Bombay
MEDICINAL PREPS—11 pkgs, San Angelo, Panama
MINERAL SPTS—55 cs, 1 dm, San Angelo, Guayaquil
OIL, COALTAR—49 bbls, San Angelo, Medellin
LUBRICATING—(Birmania) 220 bbls, Genoa; 260 dms, Zagreb; 220 dms, Bos Brod; (Vingaren) 1 dm, 1 crt, Gothenburg; 2 dms, Stockholm; 2 dms, Helsingfors; (West Cusseta) 50 pkgs, Suez; 565 pkgs, Karachi; 2,830 pkgs, Bombay; 655 pkgs, Calcutta; 140 pkgs, Colombo; 72 pkgs, Madras; 287 pkgs, Rangoon; (Exermont) 35 dms, Algiers; 20 dms, Oran; (Clan Ranald) 391 dms, 920 cs, Capetown; 570 dms, 250 cs, Port Elizabeth; 1,610 dms, 1,260 cs, Durban; 100 dms, 405 cs, East London; 3,016 dms, 5,649 cs, Lourenco

OIL, LUBRICATING—(Continued):—
Marques; a quantity, Black Eagle, Antwerp; (Korsholm) 1,169 pkgs, Gothenburg; 141 pkgs, Sundsvall; 150 pkgs, Helsingborg; 629 pkgs, Malmo; 1,813 pkgs, Stockholm; 231 pkgs, Norrkoeping; 60 cs, Turku; 283 pkgs, Viipuri; 1,196 pkgs, Helsinki; (San Angelo) 3 ctns, Panama; 3 dms, Guayaquil; 10 dms, Port of Spain; 20 dms, Belize; 10 dms, Barranquilla; 40 dms, Callao; (Exmoor) 157 dms, 80 cs, Piraeus; 33 dms, Istanbul; 25 dms, 40 cs, 1,905 pkgs, Bucharest; (Tawali) 153 pkgs, Belawan Deli; 1,014 pkgs, Batavia; 7 pkgs, Semarang; 614 pkgs, Sourabaya; 40 pkgs, Balik Papan; 10 pkgs, Bangkok; 1,392 pkgs, Penang; 293 pkgs, Padang; 160 pkgs, Palembang; 555 pkgs, Samarang; 522 pkgs, Macassar; 108 pkgs, Menado
NEATSFOOT—25 dms, Vingaren, Norrkoeping
PAINT—(Mathilda Thorden) 39 ctns, Helsingfors; 30 ctns, Gothenburg
THINNER—227 pkgs, West Cusseta, Karachi
PARAFFIN—120 pkgs, Gloucester City, Bristol; 120 bgs, San Angelo, Oruro; 24 bbls, Tawali, Bangkok
REFINED—200 pkgs, Black Eagle, Antwerp
SEMI-REFD—135 bgs, San Angelo, Pasto
PASTE—14 dms, San Angelo, Balboa
PIGMENTS, PASTE—1 bbl, Clan Ranald, Port Elizabeth
POLISH—15 kits, Mathilda Thorden, Helsingfors; 4 ctns, 4 cs, San Angelo, Panama
RUBBER COMP—8 ctns, San Angelo, Panama
SOAP—300 pkgs, Gloucester City, Bristol
AUTO—5 pkgs, San Angelo, Panama
TIRE COATING COMP—3 ctns, San Angelo, Panama
UREA—100 pkgs, Black Eagle, Rotterdam
VALVE GRINDING COMP—1 ctn, San Angelo, Panama

## Port Arthur Exports
### Clearance Dates

Adellen, August 26; Altmark, August 30; Brasil, August 23; Britannia, August 20; Delplata, August 20; Emmy Friedrich, August 27; Genevieve Lykes, August 23; Glarona, August 22; Good Gulf, August 25; Italia, August 21; Jupiter, August 25; Le Havre, August 24; Pauline Friedrich, August 22; President Francqui, August 25; West Quechee, August 22

ASPHALT—(Jupiter) 20 cs, 50 dms, Havana; 40 cs, Santiago de Cuba; 12 dms, Adellen, Buenos Aires
LIQUID—10 cs, Delplata, Rio de Janeiro; 27 bxs, Jupiter, Havana
PETROLEUM—510 dms, Britannia, Gothenburg; 10 bbls, 259 dms, Italia, Amsterdam; (West Quechee) 252 dms, Liverpool; 705 bbls, 577 dms, Manchester; (Genevieve Lykes) 359 dms, San Juan; 2 cs, 1 bx, Arecibo; 25 dms, 2 bxs, Mayaguez; 7 dms, Ponce; 25 dms, Jobos; 119 dms, 20 cs, 2 bxs, Brasil, Stockholm
SOLID—(Delplata) 100 dms, Rio de Janeiro; 20 dms, Santos, 750 dms, Montevideo
GASOLINE—99,888 bbls, Britannia, Gothenburg/Malmo; 54,686 bbls, Italia, Amsterdam; 10,210 bbls, Glarona, Trieste; 71,471 bbls, Brasil, Stockholm; 56,242 bbls, Le Havre, Le Havre; 6,586 bbls, Good Gulf, Antwerp; (Jupiter) 760 bbls, 3,800 cs, San Pedro Sula; 110 cs, Tegucigalpa; 50 bbls, 500 cs, La Ceiba; 240 bbls, 200 dms, 100 cs, Belize; (President Francqui) 23,886 bbls, London; 14,154 bbls, White Booth Roads; 7,042 bbls, Grangemouth; 17,605 bbls, Killingholm
AVIATION—6 dms, Italia, Amsterdam; 70 bbls, Genevieve Lykes, San Juan
GREASE, LUBRIC—(Britannia) 54 dms, 110 cs, Gothenburg; 22 dms, 15 cs, Malmo; (Delplata) 8 kgs, 5 crts, 43 dms, 65 cs, Rio de Janeiro; 23 dms, 48 cs, Santos; 25 cs, Montevideo; 20 cs, 2 dms, Buenos Aires; 257 dms, 65 cs, 164 ctns, 25 crts, Italia, Amsterdam; 60 dms, 170 ctgs, 80 cs, 50 crts, 220 ctns, West Quechee, Manchester; (Genevieve Lykes) 21 dms, 10 pls, 45 cs, 30 ctns, San Juan; 4 dms, 1 cs, 3 ctns, Arecibo; 2 dms, Mayaguez; 7 dms, 200 cs, 4 ctns, Ponce; 548 dms, 241 cs, 130 ctns, Brasil, Stockholm; (Jupiter) 13 dms, 6,161 cs, Havana; 45 dms, 90 cs, Santiago de Cuba; 8 dms, Guantanamo; 22 cs, San Pedro Sula; 4 cs, Tegucigalpa; 1 cs, La Ceiba; 2 cs, Belize
KEROSENE—8,726 bbls, Britannia, Gothenburg/Malmo; (Delplata) 900 cs, Rio de Janeiro; 6 dms, 25 cs, Buenos Aires; 47,671 bbls, Italia, Amsterdam; 34 dms, West Quechee, Manchester; (Genevieve Lykes) 200 cs, San Juan; 700 cs, Arecibo; 600 cs, Mayaguez; 300 cs, Ponce; 15,890 bbls, Brasil, Stockholm; (Jupiter) 500 cs, Tegucigalpa; 100 bbls, 200 dms, 100 cs, Belize
NAPHTHA, PETROLEUM—25 cs, 200 dms, Delplata, Rio de Janeiro
OIL, FUEL, DIESEL—3,829 bbls, Britannia, Gothenburg/Malmo; 8,173 bbls, Brasil, Stockholm; (Jupiter) 315 bbls, Puerto Cortez; 50 bbls, La Ceiba; 100 dms, 300 cs, Belize; 31,501 bbls, Emmy Friedrich, Hamburg
GAS, DIESEL—6,503 bbls, Italia, Amsterdam
GAS—66,676 bbls, Good Gulf, Antwerp; 9,365 tons, Altmark, Rotterdam
LUBRICATING—(Britannia) 362 dms, 312 cs, Gothenburg; 25 dms, 26 cs, Malmo; (Delplata) 5 crts, 758 dms, 731 cs, 15 ctns, Rio de Janeiro; 207 dms, 2,095 cs, 25 ctns, Santos; 335 dms, 50 ctns, 240 cs, Montevideo; 140 dms, 130 cs, Corumba; 262 dms, Buenos Aires; 138 bbls, 114 dms, 130 cs, Italia, Amsterdam; 45,180 bbls, Pauline Friedrich, Hamburg; 1,070 dms, 30 bbls, 95 cs, 190 bxs, Brasil, Stockholm; 6,593 bbls, 465 dms, Good Gulf, Antwerp; (Jupiter) 255 dms, 295 cs, 15 crts, Havana; 55 dms, 10 cs, Santiago de Cuba; 10 dms, Guantanamo; 18 dms, 55 cs, San Pedro Sula; 12 dms, 3 cs, Tegucigalpa; 1 cs, Le Ciba; 11 dms, 31 cs, Belize; 6 dms, Adellen, Buenos Aires; 6,984 bbls, Emmy Friedrich, Hamburg
BLACK—(Genevieve Lykes) 13 dms, San Juan; 5 dms, 2 ctns, Arecibo; 10 dms, Ponce; 8 dms, Mayaguez
PALE—400 dms, 90 bbls, 290 ctgs, 125 ctns, West Quechee, Manchester; (Genevieve Lykes) 65 dms, 37 cs, 125 ctns, San Juan; 21 dms, 4 cs, 37 ctns, Arecibo; 5 cs, 22 ctns, Mayaguez; 9 cs, 168 ctns, 39 dms, Ponce
SIGNAL—100 cs, Delplata, Rio de Janeiro
SPERM—6 dms, Good Gulf, Antwerp
PAINT SOLVENT—(Genevieve Lykes) 5 cs, San Juan; 3 cs, Mayaguez; 50 dms, Brasil, Stockholm
PARAFFIN—5 cs, Genevieve Lykes, San Juan
PETROLEUM, CRUDE—71,114 bbls, Glarona, Trieste; 86,176 bbls, Adellen, Buenos Aires
WAX DRESSING, LIQ—(Genevieve Lykes) 30 cs, San Juan; 1 cs, Arecibo; 1 cs, Ponce

## San Francisco Exports
### Clearance Dates

Abraham Lincoln, July 31; Baja California, August 3; Bengalen, August 3; Brimanger, August 1; Cellina, July 27; Cingalese Prince, July 31; City of Los Angeles, July 29; Columbia Star, July 28; Irisbank, July 28; J A Moffett, July 27; Kokkinaki, July 27; Kuroshio, July 27; La Placentia, July 30; Loch Goil, July 27; Montreal, August 1; Nissyo, August 4; Otowasan, August 4; Pacific Exporter, August 1; Peter Lassen, July 27; President Cleveland, July 28; President Harrison, August 5; San Pedro, July 31; Seattle, August 7; Steel Navigator, July 29; Thor I, August 4; Topila, July 31; Velox, July 27

ABRASIVE PAPER—10 crts, President Harrison, Hongkong
ACID, BORIC—5 kgs, 10 sks, Velox, Australia
CITRIC—2 bbls, Bengalen, Manila
MURIATIC—5 cs, Cingalese Prince, Shanghai
SULPHURIC—30 crbys, Irisbank, Philippine Islands
ALCOHOL, BUTYL—1 pl, Baja California, Manzanillo
AMMONIA—1 cs, Cellina, Guatemala
ANHYDROUS—23 cyls, Cingalese Prince, Shanghai; (President Harrison) 25 cyls, Singapore; 77 cyls, Manila
SULPHATE—5,380 sks, Bengalen, Manila
APPLE WASTE—172 sks, Loch Goil, United Kingdom
APRICOT KERNELS—50 sks, Loch Goil, Holland; 200 sks, Columbia Star, England; (Brimanger) 250 sks, Holland; 100 sks, London
ASPHALT—75 dms, J A Moffett, Vancouver; (President Cleveland) 292 sks, Kobe; 500 sks, Yokohama; (Bengalen) 3,224 dms, Calcutta; 5 dms, Port Swettenham; 10 dms, Belawan; 1,226 dms, Rangoon; (President Harrison) 501 dms, Singapore; 1 dm, 1 cs, Saudi; 218 sks, Kobe; 20 dms, Colombo; 46 sks, Yokohama; 200 dms, Haiphong; 303 sks, Abranam Lincoln, Hull; 199 sks, Brimanger, France
GILSONITE—5 sks, President Cleveland, Yokohama; 131 sks, Montreal, China
BIOLOGICALS—1 cs, City of Los Angeles, Cristobal; 1 cs, President Cleveland, Shanghai
VETERINARY—1 cs, President Harrison, Manila
BLACK BONE—334 sks, Bengalen, Palembang
BLUE, LAUNDRY—2 cs, President Harrison, Saudi
BOILER COMP—2 dms, 2 crts, President Cleveland, Manila
BONEMEAL—100 sks, President Cleveland, Manila; 2 sks, Baja California, Topolobampo
BORAX—164 sks, Velox, Australia; 1 cs, Baja California, Topolobampo
CALCIMINE—38 cs, President Harrison, Colombo
CARAWAY SEED—2 sks, President Cleveland, Shanghai
CARBON—102 sks, Loch Goil, England; 1 cs, Bengalen, Manila
BISULPHIDE—(Baja California) 115 dms, Mazatlan; 40 dms, Manzanillo
DECOLORIZING—3 cs, President Harrison, Hongkong
TETRACHLORIDE—50 cs, President Cleveland, Hongkong
CASEIN—2 bbls, Montreal, Japan
CATTLE HOOFS—94 sks, President Cleveland, Osaka; 458 sks, Montreal, Japan
CEMENT, INSULATING—10 sks, President Harrison, Al Khobar
ROOF—2 cs, Baja California, Topolobampo
CHALK—1 cs, Velox, New Guinea; 3 cs, President Cleveland, Manila; 3 cs, Bengalen, Batavia
CHEMICALS—(President Cleveland) 8 dms, Osaka; 30 bbls, Kobe; 20 dms, 6 cs, 1 bbl, Tientsin; 19 dms, Manila; 1 bdl, 74 cs, 5 kgs, Hongkong; 71 cs, Shanghai; 26 dms, Irisbank, Philippine Islands; 1 cs, Bengalen, Calcutta; (President Harrison) 13 cs, 1 bbl, 15 dms, 8 kgs, Haiphong; 19 cs, Singapore; 4 cs, Hongkong; 2 cs, Bangkok
CHLORINE BLEACH, LIQ—3 cs, Cellina, Guatemala; 1 cs, President Harrison, Manila
40 cyls, Irisbank, Philippine Islands
CLAY—100 sks, President Harrison, Manila
CLEANER—1 cs, Bengalen, Manila; 2 dms, J A Moffett, Vancouver
COALTAR, SOLUT—5 dms, President Harrison, Manila
COCOA BUTTER—5 cs, President Harrison, Kuala Lumpur
COLOR, DRY—10 bbls, President Cleveland, Bangkok; 10 bbls, Baja California, Manzanillo
DENTIFRICES—29 cs, President Cleveland, Hongkong; (President Harrison) 22 cs, Singapore; 15 cs, Penang
DICHLORODIFLUOROMETHANE—1 dm, Bengalen, Manila
EPSOM SALT—200 sks, Baja California, La Paz
FERTILIZER—5 sks, Baja California, Topolobampo
FILTER PAPER—2 cs, Irisbank, Philippine Islands
CLOTH—5 bls, Bengalen, Manila
FLUX—10 dms, President Cleveland, Kobe
FLYSPRAY—5 cs, President Harrison, Singapore
FULLER'S EARTH—100 sks, Baja California, Mazatlan
GASOLINE—5,800 cs, 850 dms, Velox, New Guinea; 3,330 bbls, Nissyo, Japan
AVIATION—150 dms, J A Moffett, Vancouver
GINSENG—12 bbls, President Cleveland, Hongkong
GLUCOSE—15 bbls, Bengalen, Iloilo
GLUE—5 cs, President Cleveland, Manila
GRAPHITE—9 bbls, President Cleveland, Manila
GREASE, LUBRIC — 60 dms, Velox, New Guinea; 21 dms, 197 pls, 132 cs, J A Moffett, Vancouver; (Bengalen) 7 dms, Batavia; 6 dms, Samarang; 10 dms, Calcutta; 3 dms, Padang; 5 dms, Sourabaya; 8 dms, President Harrison, Singapore
INK—3 cs, President Cleveland, Shanghai
PRINTING — 18 cs, 5 hlf bbls, President Cleveland, Manila; 30 dms, President Harrison, Singapore
INSECTICIDE — 25 cs, President Cleveland, Hongkong; (Bengalen) 5 cs, Manila; 1 dm, 4 cs, Bangkok
LIQUID—15 cs, J A Moffett, Vancouver
KELP — 29 sks, President Cleveland, Hongkong; 12 sks, President Harrison, Hongkong
LACQUER—1 cs, Irisbank, China; (Baja California) 3 pls, Mazatlan; 30 pls, Manzanillo; 1 cs, Guaymas
THINNER—22 pls, 9 cs, Cellina, Panama; (Baja California) 1 dm, 4 pls, Mazatlan; 5 pls, 2 cs, Guaymas
LARD SUBSTITUTE—100 cs, City of Los Angeles, Panama
LEAD, RED—3 dms, Baja California, Mazatlan
WHITE, DRY—34 bbls, Bengalen, Manila
LITHARGE—12 kgs, Baja California, Topolobampo
LYE—3 cs, Baja California, Guaymas
MAGNESITE — 3,472 sks, Steel Navigator, Haiphong
MEDICINAL PREPS — (President Cleveland) 38 cs, Shanghai; 2 cs, Manila; 10 cs, Cingalese Prince, Manila
METHYL CHLORIDE—3 dms, Bengalen, Manila
MILK POWDER—10 bbls, President Cleveland, Shanghai
MINERAL PRIMER — 200 pkgs, Irisbank, Philippine Islands
SPIRITS—60 dms, Velox, Australia
OIL, BATCHING—12,392 bbls, Bengalen, Calcutta
CASTOR—1 dm, President Harrison, Yokohama
COCONUT—30 dms, Loch Goil, Colombia; 25 cs, Peter Lassen, Puerto Armuelles
COTTONSEED, REFD—50 dms, President Harrison, Zamboanga
CYLINDER—(Bengalen) 175 dms, Penang; 30 dms, Menado; 50 dms, Port Swettenham; 85 dms, Singapore
DIESEL—1,338 bbls, Peter Lassen, Puerto Armuelles; 460 tons, Irisbank, China; 73,886 bbls, San Pedro, Japan
FUEL—25,000 bbls, La Placentia, Vancouver; 70,008 bbls, Otowasan, Yokosuka
LUBRICATING—(Cellina) 30 dms, France; 23 dms, Colombia; (Loch Goil) 25 dms, Peru; 20 dms, 8 cs, England; (Velox) 75 dms, 5 cs, Samoa; 30 dms, 15 cs, New Guinea; 125 dms, Australia; 690 dms, 40 pls, 16 cs, J A Moffett, Vancouver; (President Cleveland) 557 dms, Manila; 50 dms, Bangkok; 100 dms, Shanghai; 400 dms, Kobe; 400 dms, Yokohama; (Irisbank) 40 dms, Philippine Islands; 8,712 bbls, China; 400 bbls, Cingalese Prince, Saigon; 1 dm, Pacific Exporter, London; (Bengalen) 165 dms, Rangoon; 30 dms, Cebu; 13 dms, Samarang; 35 dms, 1 cs, Batavia; 1,720 dms, Calcutta; 6 dms, Belawan; 28 dms, Sourabaya; 60 dms, Port Swettenham; 395 dms, Penang; 40 dms, Singapore; (President Harrison) 46 dms, 1 cs, Singapore; 80 dms, Hongkong; 1 cs, 150 dms, Bombay; 2,292 dms, Manila; 5 dms, Haifa; 250 dms, Haiphong
MINERAL, WHITE—10 cs, J A Moffett, Vancouver
MOTOR—2 dms, Irisbank, Philippine Islands
ROSIN—5 dms, President Cleveland, Shanghai
TRANSFORMER—1 cs, President Cleveland, Manila; (Cingalese Prince) 4 cs, Haiphong; 4 dms, Manila
PAINT—27 cs, President Cleveland, Shanghai; 95 cs, 30 kgs, Cingalese Prince, Manila; (Bengalen) 4 cs, Calcutta; 25 pls, Samarang; 24 cs, 20 pls, Rangoon; (Baja California) 3 pls, Mazatlan; 6 dms, 87 pls, 1 cs, Manzanillo; (President Harrison) 4 cs, Singapore; 20 cs, Manila; 36 pls, Saudi; 60 cs, 20 pls, Colombo
ENAMEL—(Baja California) 1 cs, 24 pls, Mazatlan; 197 pls, 1 cs, Manzanillo; 6 cs, Guaymas; 98 pls, Mazatlan
PASTE—5 cs, 1 pl, Baja California, Guaymas; 1 cs, President Harrison, Manila
THINNER—3 cs, Cingalese Prince, Manila; 5 dms, Baja California, Manzanillo
TIN-COATING—15 dms, Kokkinaki, Vladivostok
PEATMOSS—3 bls, Baja California, Topolobampo
PEPPER—16 sks, Baja Calofirnia, Guaymas
BLACK—50 sks, Baja California, Guaymas
PERFUMERY—2 cs, Bengalen, Calcutta
PETROLEUM—100 dms, President Cleveland, Manila; 490 dms, Cingalese Prince, Saigon; 5 cs, Bengalen, Penang; 20 dms, President Harrison, Haiphong
CRUDE—89,300 bbls, Kuroshio, Japan; 54,708 bbls, Topila, Vancouver; 23,900 bbls, Nissyo, Japan
REFD—6,400 cs, Velox, New Guinea
PHARMACEUTICALS—18 cs, President Cleveland, Manila; (Bengalen) 4 cs, Batavia; 38 pkgs, Calcutta; 10 pkgs, Rangoon; 1 cs, President Harrison, Hongkong
POLISH—102 cs, Irisbank, Philippine Islands; 9 cs, Bengalen, Manila; 1 cs, President Harrison, Manila
POTASH XANTHATE—8 dms, Thor I, Vancouver
PRESERVATIVE, WOOD—50 dms, President Cleveland, Manila
RESIN—25 dms, Irisbank, Philippine Islands
ROSIN—(President Cleveland) 43 dms, Yokohama; 11 dms, Shanghai
CRUDE—45 dms, President Cleveland, Osaka
SALT—5 sks, Cellina, Guatemala
SEALING COMP—4 dms, President Cleveland, Yokohama
SOAP, LAUNDRY—350 cs, Bengalen, Manila; 1 cs, President Harrison, Singapore
LIQUID—3 cs, President Cleveland, Hongkong
TOILET—1 cs, Velox, New Guinea; (President Cleveland) 300 cs, Manila; 2,500 cs, Shanghai; 200 cs, Cingalese Prince, Manila; 1 cs, Bengalen, Singapore
SODA SILICATE—667 sks, President Cleveland, Manila; 1,000 sks, 50 dms, Rosebank, Vancouver
STOCKS, STEAM-REFD—75 dms, Bengalen, Calcutta
SULPHUR — 20 sks, President Cleveland, Shanghai
DIOXIDE—1 dm, Bengalen, Manila; 12 cyls, Thor I, Vancouver
FLOWERS—100 sks, Baja California, Guaymas
TALLOW—75 dms, Columbia Star, Havana
TAPIOCA—1 sk, Cellina, Guatemala
TAR—1 dm, Baja California, Mazatlan
TOILET PREPS—3 cs, Velox, New Guinea; (President Cleveland) 1 cs, Bangkok; 1,540 cs, Osaka; 2 cs, Tokio; 1 cs, Peking; 3 bls, Hongkong; (Bengalen) 15 cs, Calcutta; 6 cs, Malang; 100 cs, Cingalese Prince, Iloilo
TURPENTINE—15 cs, Cingalese Prince, Manila
VARNISH—(Baja California) 4 pls, 1 dm, Mazatlan; 3 dms, 15 pls, Manzanillo; 1 cs, Guaymas
YEAST—(President Cleveland) 120 cs, Shanghai; 160 cs, Yokohama; 120 cs, Kobe
ZINC, DUST—40 cs, Loch Goil, Nicaragua; 200 dms, Baja California, Manzanillo; 30 sks, Seattle, Ciudad Bolivar
SULPHATE—10 bbls, Irisbank, Philippine Islands

## Savannah Exports
### Clearance Dates

City of Elwood, August 29; City of Roubaix, August 23; Daldorch, August 31; Lysefjord, August 30; Mormacsul, August 29; Port Wellington, August 28; Silversandal, August 28; Trafalgar, August 23

CLAY—213 bgs, Trafalgar, Gdynia
COTTON LINTERS—25 bls, Trafalgar, Gdynia
GLUCOSE—30 hlf bbls, Silversandal, Shanghai
OIL, PINE—6 dms, Port Wellington, Melbourne
PINETAR—15 dms, Port Wellington, Sydney
ROSIN, GUM—150 bbls, City of Roubaix, Shanghai; (Trafalgar) 295 bbls, Oslo; 1,521 bbls, Gothenburg; 250 bbls, Copenhagen; 181 bbls, Gdynia; 36 bbls, 171 dms, 800 bgs, Lysefjord, Havana; (Mormacsul) 100 dms, Rio de Janeiro; 50 dms, 200 bbls, Santos; 30 dms, Porto Alegre; 45 bbls, Montevideo; (Port Wellington) 290 bbls, Brisbane; 1,954 bbls, 36 dms, Sydney; 1,315 bbls, 46 dms, Melbourne; 35 bbls, Adelaide
PITCH—30 dms, Lysefjord, Havana
SIZE—(Trafalgar) 448 bgs, Stockholm; 45 bgs, Oskarshamn; 269 bgs, Copenhagen; 247 bgs, Mantyluoto
SIZE, DRY—90 bgs, Port Wellington, Melbourne
WOOD—20 bbls, City of Roubaix, Hongkong; (Port Wellington) 10 bbls, Melbourne; 40 bbls, Adelaide
TURPENTINE, GUM—(Trafalgar) 125 bbls, Oslo; 5 dms, Sandefjord; 150 dms, 40 bbls, Gothenburg; 100 dms, Malmo; 10 dms, 75 bbls, Copenhagen; 11 dms, Lysefjord, Havana; (Mormacsul) 5 dms, 100 cs, Santos; 2 cs, 134 dms, Montevideo; 78 dms, Buenos Aires; (Port Wellington) 320 cs, 62 dms, Brisbane; 1,285 cs, 55 pls, 665 dms Sydney; 625 cs, 178 dms, 70 pls, Melbourne; 25 cs, Davenport; 200 cs, 13 dms, Fremantle; 89 dms, 180 cs, Adelaide
WOOD—(Port Wellington) 85 dms, Brisbane; 50 dms, Newcastle; 375 dms, Sydney; 437 bbls, Melbourne; 68 dms, Adelaide

## Tampa Exports
### Clearance Dates

Christian Sass, August 29; General Tosta, August 23; Goldfield, August 16; Lindvangen, August 17; Strassa, August 23

BAKING POWDER—2 cs, Goldfield, Georgetown
COLOR, CONCENTRATED—(Lindvangen) 500 gls, Kingston; 50 gls, Port of Spain
DISINFECTANT—(Lindvangen) 150 gls, Kingston; 50 gls, Port of Spain
DRUGS—3 cs, 4 ctns, 1 bx, Goldfield, Georgetown
GASOLINE—2 dms, General Tosta, Belize; 34 dms, Goldfield, Georgetown
GLASS, AUTO—1 pkg, General Tosta, Belize
INSECTICIDE—400 gls, Lindvangen, Port of Spain
INVALIDS' FOOD—3 cs, Goldfield, Georgetown
KEROSENE—29 dms, Goldfield, Georgetown
LARD, SUBSTITUTE—3 tcs, Goldfield, Georgetown
LYE—1 ctn, Goldfield, Georgetown
OIL, LUBRIC—1 dm, 4 cs, Goldfield, Georgetown; 8 dms, Laguna, Belize
PARAFFIN—500 gls, Linvangen, Kingston
PHOSPHATE—7,870 tons, Strassa, Landskrona; 6,702 tons, Christian Sass, Sorel
SOAP, LAUNDRY—11 cs, Goldfield, Georgetown
TOILET—2 ctns, Goldfield, Georgetown
SODA, BICARBONATE — 2 cs, Goldfield, Georgetown
STARCH, CORN—1 cs, Goldfield, Georgetown
WAX—100 gls, Linvangen, Port of Spain

# Coastwise Shipments

## Corpus Christi Coast Trade

GASOLINE — 73,036 bbls, Harvester, Upper Hudson; 102,098 bbls, Esso Boston, Baytown; 97,589 bbls, Cerro Ebano, Baytown; 104,469 bbls, Esso Bayway, Baytown
PETROLEUM, CRUDE—145,137 bbls, Thermo, Harbor Island; 103,695 bbls, W C Teagle, Baytown; 85,096 bbls, R W Gallagher, Baytown; 74,820 bbls, Paulsboro, Baytown; 104,367 bbls, Fred W Weller, Baytown; 131,601 bbls, Esso New Orleans, Baytown; 131,117 bbls, Charles G Black, Baytown

## Los Angeles Coast Trade

GASOLINE — 6,306 bbls, San Diegan, San Diego; 69,252 bbls, Huguenot, San Francisco; 80,398 bbls, District of Columbia, Richmond; 59,000 bbls, Camden, Portland; 67,685 bbls, Mojave, San Francisco; 7,177 bbls, Lebec, Seattle; 9,554 bbls, San Diegan, San Diego; 69,069 bbls, Huguenot, Seattle
OIL, DIESEL—1,411 bbls, San Diegan, San Diego; 11,608 bbls, Huguenot, San Francisco; 16,000 bbls, Camden, Portland; 7,167 bbls, Mojave, San Francisco; 11,448 bbls, Huguenot, Seattle
FUEL—52,300 bbls, Neches, San Diego; 9,427 bbls, Texada, Seattle; 70,366 bbls, Pat Doheny, San Francisco; 4,151 bbls, Mojave, San Francisco; 2,389 bbls, Coast Farmer, Portland; 60,138 bbls, Lebec, Seattle; 36,955 bbls, D G Scofield, Seattle; 75,000 bbls, Malay, Bayonne
PETROLEUM, CRUDE — 68,782 bbls, Paul Shoup, San Diego

## Recent Charters

PETROLEUM—14,000 tons, S S Thorshovdi, dirty, Antarctic, round voyage, 6s 3d; November
14,000 tons, S S Eidanger, clean, Abadan to United Kingdom, Continent, 19s 6d; September
PETROLEUM—4,802 tons, S S Drafn, dirty, Aruba to Sweden, 15s; prompt
3,196 tons, S S Solsten, dirty, Abadan to Bergen, 30 krone, rate includes war risk premium; September-October
5,801 tons, S S Solfoun, clean, Gulf to Bergen-Oslo, range September 15, Norw krone, Gothenburg, 16 krone, option to 2 percent
5,969 tons, S S Seirstad, same
5,684 tons, S S Sandanger, same
3,925 tons, S S W C Fairbanks, gasoline, Aruba-Curacao, loading at 1 krone, less, charterers paying war risk premiums up Gulf to North of Hatteras, 16c a barrel; September
3,630 tons, S S Papoose, kerosene, 16c, fuel, 17c barrel, Gulf to North of Hatteras; September

## Ilmenite Output Up

The commercial importance of titanium dioxide, which has expanded during recent years, has caused the Egyptian government to exploit ilmenite, which mineral is one of the principal sources for titanium dioxide. The Hamata Mining Company in Cairo has installed equipment for the extraction of ilmenite from mines located in southern Egypt. Another concern known as the Ango-Egyptian Mining Company, S. A. E., has formed a subsidiary concern for the exploitation of the black sands containing ilmenite, which are found on the Mediterranean beach near Alexandria. The Egyptian production of ilmenite amounted to 183 metric tons in 1935, but the following year only 24 tons were produced. No output was reported for 1937.

## Cargo Ship Arrivals

**September 2 to September 15**

### New York

| | | |
|---|---|---|
| Amazone | Maracaibo | Sept 15 |
| American Importer | Everett | Sept 11 |
| American Robin | Manchester* | Sept 6 |
| American Trader | London* | Sept 11 |
| Ancon | Cristobal* | Sept 9 |
| Aquitania | Southampton* | Sept 12 |
| Arandora | Southampton* | Sept 11 |
| Arkansas | Portland* | Sept 14 |
| Astrea | Maracaibo* | Sept 11 |
| Baalbek | London | Sept 8 |
| Bacchus | Trinidad | Sept 17 |
| Batory | Gdynia* | Sept 5 |
| Bergensfjord | Oslo* | Sept 9 |
| Binnendijk | Antwerp | Sept 7 |
| Black Falcon | Rotterdam* | Sept 9 |
| Black Gull | Rotterdam* | Sept 5 |
| Black Heron | Rotterdam* | Sept 12 |
| Borinquen | Trujillo* | Sept 11 |
| Capulin | Glasgow* | Sept 15 |
| Caraibe | Havre | Sept 15 |
| Carolinian | Tacoma* | Sept 6 |
| Champlain | Havre* | Sept 5 |
| Chiriqui | Puerto Barrios* | Sept 7 |
| City of Baltimore | San Francisco* | Sept 5 |
| City of Lyons | Calcutta* | Sept 9 |
| City of Newport News | San Francisco* | Sept 14 |
| City of New York | Mombasa* | Sept 5 |
| Clara | Trieste* | Sept 7 |
| Edwin Christenson | Seattle | Sept 14 |
| Emile Francqui | Antwerp* | Sept 5 |
| Eskdalegate | Rosario | Sept 5 |
| Estrella | Marseilles | Sept 11 |
| Examelia | Cavalla* | Sept 6 |
| Excambion | Beirut* | Sept 6 |
| Exchange | Beirut* | Sept 7 |
| Exirla | Genoa* | Sept 15 |
| Felix Taussig | Seattle* | Sept 12 |
| Floridian | Tacoma* | Sept 11 |
| Fort Amherst | St Johns* | Sept 7 |
| Fort Townshend | St Johns* | Sept 13 |
| Georgia | Gothenburg | Sept 15 |
| Gitano | Hull* | Sept 14 |
| Gloucester City | Bristol* | Sept 7 |
| Grete Maersk | Manila* | Sept 8 |
| Harpoon | Portland* | Sept 13 |
| Helvig | Rotterdam* | Sept 8 |
| Hokuroku | Yokohama* | Sept 12 |
| Hunter Liggett | San Francisco* | Sept 15 |
| Ingrid | Georgetown* | Sept 5 |
| Jevington Court | Bahia* | Sept 5 |
| J Van Oldenbarneveit | Amsterdam* | Sept 7 |
| K I Luckenbach | Seattle* | Sept 6 |
| Kahuku | Honolulu* | Sept 5 |
| Kaipaki | Brisbane* | Sept 5 |
| Kalani | Honolulu* | Sept 12 |
| Kano | Manila* | Sept 9 |
| Kinai | Hamburg | Sept 7 |
| Kiyokawa | Yokohama* | Sept 6 |
| Kungsholm | Gothenburg | Sept 11 |
| Maine | Honolulu* | Sept 9 |
| Malabar | Calcutta* | Sept 15 |
| Manhattan | Havre* | Sept 7 |
| Manuela | San Juan* | Sept 11 |
| Mapia | Macassar* | Sept 12 |
| Massmar | Warrenton | Sept 9 |
| Mercier | Antwerp | Sept 13 |
| Mexico | Vera Cruz* | Sept 12 |
| Montevideo | Montevideo* | Sept 6 |
| Mormachawk | Leningrad* | Sept 14 |
| Mormacsun | Buenos Aires* | Sept 7 |
| Motomar | Huelva | Sept 8 |
| Munargo | Havana* | Sept 14 |
| Naruto | Yokohama* | Sept 14 |
| Navemar | Malaga* | Sept 12 |
| Nebraskan | Portland* | Sept 8 |
| Nerissa | Trinidad* | Sept 6 |
| Noordam | Rotterdam | Sept 11 |
| Northern Prince | Buenos Aires* | Sept 13 |
| Oslofjord | Oslo* | Sept 14 |
| Pastores | Puerto Barrios* | Sept 14 |
| Poseidon | Maracaibo | Sept 6 |
| President Monroe | Honolulu* | Sept 12 |
| President Roosevelt | Havre* | Sept 5 |
| Quirigua | Cartagena* | Sept 14 |
| Rosario | San Juan | Sept 5 |
| Samaria | Liverpool* | Sept 5 |
| San Jacinto | San Juan | Sept 13 |
| Santa Clara | San Antonio* | Sept 12 |
| Santa Inez | Chanaral* | Sept 5 |
| Santa Paula | Barranquilla* | Sept 12 |
| Santa Rosa | Barranquilla* | Sept 5 |
| Scanstates | Gdynia* | Sept 5 |
| Seatrain Havana | New Orleans* | Sept 12 |
| Seatrain New York | New Orleans* | Sept 5 |
| Siboney | Vera Cruz* | Sept 5 |
| Silveryew | Hongkong* | Sept 9 |
| Statendam | Rotterdam* | Sept 12 |
| Tai Yin | Iloilo* | Sept 8 |
| Talamanca | Cartagena* | Sept 7 |
| Tampa | Melbourne* | Sept 14 |
| Trollus | Batavia* | Sept 8 |
| Tunaholm | Vilpuri* | Sept 9 |
| U S Grant | San Francisco* | Sept 5 |
| Vandyck | Liverpool | Sept 11 |
| Veendam | Rotterdam* | Sept 6 |
| Veragua | Port Limon* | Sept 10 |
| Vermar | Longview* | Sept 9 |
| Walter A Luckenbach | Seattle* | Sept 7 |
| Westernland | Antwerp* | Sept 12 |
| William Luckenbach | Seattle* | Sept 14 |
| Winona | Seattle | Sept 15 |

* And other ports

## Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

### New York

**Week Ended September 6**

Balsam, medicinal, 20 cases; restricted use.

Cassia oil, 10 drums; not U.S.P.

Ergot, 34 cases; not U.S.P.

Fennel seed, 106 bags; filthy.

Mace, 41 cases; moldy.

Medicinal preparations, 3 cases; new drug.

Medicinal preparations; 1 parcel; new drug; dangerous drug.

Medicinal preparations, 1 parcel; dangerous drug.

Medicinal preparations, 2 cases; false therapeutic claims.

Medicinal preparations, 1 parcel; false and misleading statements.

Medicinal preparations, 1 case; false therapeutic claims; contains undeclared acetanalid.

Medicinal preparations, 1 case; contains undeclared chlorobutanol.

### Boston

**Week Ended September 6**

Medicinal preparation, 1 package; false therapeutic claims.

Stramonium leaves, 44 bales; filthy.

### Los Angeles

**Week Ended August 31**

Medicinal, 1 piece; false and misleading claims.

Medicinal, 1 piece; dangerous to health.

Medicinal, 71 pieces; false and misleading claims; new drug.

### Philadelphia

**Week Ended September 6**

Coriander seed, 100 bags; filthy.

Turmeric, 1 bag; wormy.

### San Francisco

**Week Ended August 31**

Hair dye, 24 pieces; coal tar dye without "caution" statement.

Medicinal, 30 pieces; false and misleading claims.

# *Progress in Industrial Oils and Fats and Detergents*

**Discussion at the 1939 Annual Meeting of the Society of Chemical Industry of the Paper by P. W. Tainsh, Published in the Reporter for July 24 and 31, Reported in the Society's Publication,** *Chemistry and Industry*

*(Continued from September 4 issue)*

### Soapless Shampoos

H. Stanley Redgrove said he feared that many of the manufacturers of soapless detergents had not fully studied the requirements of the cosmetics trade prior to marketing those detergents for use in soapless shampoos. He believed that the two materials most widely used, at any rate in this country, for that purpose, were the sodium-triethanolamine salts and lauryl hydrogen sulphate. From the technical point of view, those two products seemed almost ideal for the purpose; but owing to the fact that the German manufacturers of those products held patents and in certain countries had granted monopolies, firms desiring to enter into the export trade encountered difficulties. Hence, substitutes for those materials would find a market; but they must be adequate substitutes. It was of very little use for the manufacturer of a product to state that he did not think that patents of a competing article were valid. The cosmetics manufacturer would not "hold the baby," and the manufacturer of the raw material must settle the question first.

He had investigated a number of products which did not conflict with patents for the purpose of use in shampoos. One was a very good substitute of English manufacture, but it was offered at a price which was far too high in relation to its concentration to be able to compete. The second was a fairly efficient substitute, again of British manufacture, but the manufacturers would not give guarantees of its suitability for shampooing living hair and were obviously averse to selling it for that purpose. The third product was American, and statements in the papers by American manufacturers had inspired enthusiasm. But when he had tried two of the typical formulas which they had given, he had discovered that neither of them was workable, and he had modified the formula and had made some of his own. The result was to produce shampoos which, whilst they would cleanse the hair, were not 100 percent perfect as detergents, and their lathering properties left much to be desired. Then he had tried the production of another American firm which had also published a formula, and had stated that the substance was acid-stable. By making up an aqueous solution with the addition of a small trace of boric or adipic acid, he had developed an odor which was "unique in its positive horribleness."

In view of that experience, he expressed the opinion that the requirements of a soapless detergent for making shampoos were that it must be sold under a guarantee that it would not injure the hair or scalp; that it must be free from obvious defects, such as odor; that it must be stable to acid, so that the $p_H$ could be adjusted to the correct value; and that it must be not only a good detergent but must foam, because shampoos must produce lather if they were to sell. Finally, he pointed out that soapless shampoos sufficient for one normal head of hair could be bought for 3 pence or even 2 pence; therefore, the price of detergents must be such as would enable the cosmetics manufacturer to compete.

Dr. W. D. Scott agreed that detergents were as a rule far too high in price to compete with soaps, but he believed that some detergents on the market were likely to be really competitive. He had in mind an American product, an alkylbenzene sulphonate, which was being marketed and used fairly widely in the textile industry. He saw a great future for a product of that nature, because at some time it might be available at a price of about 1 shilling per pound, which was a really low price for a detergent.

Asking for the author's views concerning soap-builders, he said he believed that no phosphates, or very little, had been used in soap in this country; but in the United States a tetrasodium pyrophosphate was being manufactured in very large volume indeed. That product had the advantage that it was very effective in hard water; he wondered whether such a product was likely to be successful in this country, inasmuch as the average hardness of water in this country was very much lower than that in the United States.

Finally, in asking whether the antioxidants used in rubber had any future for natural oils and soap, he added that he was particularly interested in a recent patent which covered the use of a rubber accelerator, he believed it was tetramethylthiuram disulphide.

### Mr. Tainsh's Replies

P. W. Tainsh, replying to Professor Hilditch, said that he knew one or two antioxidants which were really quite satisfactory for oil if one could manage to keep them in contact with the oil, but that was the difficulty. The best antioxidant was insoluble in the oil; hydroquinone was a very satisfactory antioxidant, but, of course, it had to be removed before soapmaking, otherwise the soap did not look very nice.

He had made some preliminary notes on paint and varnish oils, but had rejected them partly for reasons of space, and partly because he did not feel competent to deal adequately with that section of the chemistry of oils and fats.

He had seen the soaps made from fatty acids produced from the Fischer-Tropsch hydrocarbons in Germany, and their smell could hardly be described as pleasant; but all oxidation products of petroleum had a smell. There were methods of reducing the odors very considerably, but from the soapmakers' point of view it was unfortunate that the odors were very persistent.

Replying to Mr. Bhattacharya, he said that a good deal of work had been done on the distillation and conversion of fatty acids continuously, and methods of that kind had obvious advantages, but careful calculations indicated that they did not yet pay. If one was starting up a new, large plant the circumstances might be different. There seemed to be more development in America.

His company was selling soapless shampoos on a scale very greatly in excess of anything it could ever do with soap shampoos, and it was quite a profitable business. Soapless shampoos appealed because they enabled the users to deal with their own hair at home and to emulate the results which ordinarily would be obtained by the hairdresser, thus avoiding the expense of going to their hairdresser. The soapless shampoos were cheap, and although very extensive tests had been made in collaboration with very eminent people, no evidence whatever could be found that they were in the slightest degree harmful to the hair. There was a complaint that they removed natural oil from the scalp; but some manufacturers were introducing a type of shampoo which was not so effective in removing oil.

Probably soapless detergents developed from the wetting agents used in the textile industry. The soapless detergent was excellent for woolen fabrics, but it was not good in its detergent properties for cotton or linen. It was extremely difficult to induce a housewife to keep a large number of products on the shelves; if she were offered a product which was good for woolen goods, she expected to be able to use it also for other things. However, there was a reasonably large sale of one of the soapless detergents in America.

The use of tetrasodium phosphate, trisodium phosphate, and the metaphosphate was extending very rapidly. At the moment the supplies of neutral pyrophosphate in this country were inadequate, but they would be available shortly. Tetrasodium phosphate had certain quite valuable properties which enabled it to replace soap, but until quite recently the cost of the tetrasodium phosphate was considerably higher than that of soap, and there was no point in replacing soap by something more expensive. In Germany, when there were restrictions on the fatty acid content, the soapmakers had used tetrasodium phosphate, and in view of the low limits obtaining there, it was a valuable addition. It had properties which were valuable in hard water, apart from its detergent properties; it was not a water-softener, but it had valuable effects with soap.

The chairman (Lord Leverhulme), having acknowledged on behalf of his company and the industry the work of Professor Hilditch, said that his company was about to erect at Port Sunlight a central research laboratory; he used the "central" relative to the company's interests not only in this country but all over the world.

## Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or co-operative office of the bureau, and not to this publication. When writing give the number of the item:—

Carbon black:—Agency; Sydney, Australia (3523).

Carbon black:—Agency; Shanghai, China (3618)..

Cobalt nitrate:—Purchase; Abbassia, Egypt (3596).

Cobalt oxide:—Purchase; Abbassia, Egypt (3596).

Cobalt sulphate:—Purchase; Abbassia, Egypt (3596).

Colors:—Purchase; Toronto, Canada (3595).

Fertilizer:—Purchase; Mexico City, Mexico (3546).

Fluorescent materials:—Agency; Sydney, Australia (3522).

Insecticides:—Purchase; Capetown, South Africa (3566).

Pharmaceuticals:—Purchase or agency; Brussels, Belgium (3524).

Pharmaceuticals:—Agency; Toronto, Canada (3610).

Pharmaceuticals:—Purchase or agency; Montrouge, France (3527).

Pharmaceuticals:—Agency; Tel-Aviv, Palestine (3608).

Pharmaceuticals:—Agency; Johannesburg, South Africa (3528).

Pharmaceuticals:—Agency; San Jose, Costa Rica (3298).

Pyroxylin plastics:—Purchase and agency; Cairo, Egypt (3294).

Pyroxylin plastics:—Purchase and agency; Alexandria, Egypt (3526).

Rosin:—Agency; Havana, Cuba (3609).

Soda, Caustic:—Agency; Rio de Janeiro, Brazil (3174).

Subgallate:—Purchase; Riga, Latvia (3290).

Subnitrate:—Purchase; Riga, Latvia (3290).

Sulphur:—Purchase and agency; Sourabaya, Java (3385).

Tannin:—Purchase; Riga, Latvia (3290).

Toilet preparation:—Agency; Port of Spain, Trinidad (3166).

Toilet preparations;—Purchase; Athens, Greece (3173).

Toilet preparations:—Agency; Alexandria, Egypt (3274).

Toilet preparations:—Purchase and agency; Singapore, Straits Settlements (3257).

Toilet preparations:—Agency Sydney, Australia (3285).

Toilet preparations:—Purchase; The Hague; Netherlands (3388).

Toilet preparations:—Agency; Cairo, Egypt (3533).

**Sicklick & Co.,** manufacturers agent, this city, has been appointed exclusive selling agent in the United States and Canada by the Baire Mining Company, Baire, Oriente, Cuba, to handle the sale of its high-grade metallic and dioxide manganese ores.

**Brown & Co.,** pulp and paper manufacturer, Portland, Me., trustees will have a hearing September 12 in Federal Court on a petition for authority to issue $843,000 certificates of indebtedness for cash in order to pay taxes in Berlin, Gorham and Shelburne, N. H., and certain outstanding certificates of indebtedness.

# Industrial Uses of Chemicals and Related Materials

**(Formerly Styled "Where You Can Sell")**

## Producers' Guide to New Markets Technical Information for Processors

**Fully protected by copyright**

**Six-hundred-sixty-second Recapitulative Instalment**

**(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)**

## Diamylxanthogen

**Insecticide and Fungicide**

As an insecticide (U. S. 2150759)

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## Diatomaceous Earth

*(Continued from September 4 issue)*

**Glue and Gelatin**

Clarifying, decolorizing, and filtering agent for—
- Gelatin
- Glue

**Insecticide and Fungicide**

Absorbent and diluent for—
- Compositions to prevent growth of fungi and dry rot
- Fumigants
- Insectidides
- Mercurial insecticides (French 655852; U.S. 1915054)
- Miscellaneous insecticides (U. S. 1890774 and 1903626; Brit. 373581 and 401707)
- Parasiticides (French 705906)
- Seed disinfectants (U.S. 1891750 and others)

**Leather**

Absorbent and filler for—
- Box toes
- Finishes for real and imitation leather

Filtering agent for—
- Tanning solutions

**Lubricant**

Filtering and dewatering agent for—
- Lubricants
- Reclaimed motor oils

Ingredient of—
- Lubricants (archaic)

**Marine**

Heat-insulator in—
- Engineroom and mechanical departments

Insulation material for—
- Protecting passenger and freight compartments in steamships from heat of boilers and engines

**Mechanical**

Filling agent for—
- Hollows in walls, floors, and the like in kilns, furnaces, ovens

Fume-resisting heat insulation for—
- Autoclaves
- Coils
- Conduits
- Cookers
- Coolers
- Dryers
- Ducts
- Enamelling ovens
- Evaporators
- Extraction apparatus
- Furnaces
- Heaters
- Hot-blast stoves
- Kettles
- Kilns
- Ovens
- Piping systems
- Retorts
- Stacks
- Stills
- Stoves
- Tanks
- Vents

Ingredient of—
- Heat-insulating composition specialties

Luting agent for—
- Fireboxes
- Furnaces
- Stoves

**Metallurgical**

Absorbent in—
- Drawing compound for deep-drawing metal sheets (U.S. 1952973)
- Iron and steel rustproofing (U.S. 1288734 and 1493602; French 755709)

Binder for—
- Ore briquetting (admixture with other agents) (U.S. 1356100)
- Settings

Cleansing and polishing agent for—
- Metals
- Metallic specimens prior to microscope examination

Filler in—
- Welding-rod coatings

Filtering agent for—
- Slimes
- Solutions

Fume-resisting heat insulation for—
- Annealing ovens and pots
- Billet heaters
- By-products cokeovens
- Collecting ducts
- Flues
- Foundry ladles
- Furnaces
- Furnace doors
- Furnace hoppers
- Hot-metal cars
- Lead pots
- Regenerators
- Sulphur burners
- Venting pipes

Ingredient (French 562784; U.S. 1379722 and 1495446) of—
- Case-hardening compounds

Parting agent in—
- Foundry practice

**Miscellaneous**

Absorbent, mild abrasive, and polishing agent in—
- Automobile polishes
- Buffing compositions
- Cleaning agents and compositions for painted, enamelled, or varnished surfaces
- Cleansing and polishing compositions for glass and glassware
- Cutlery polishes
- Furniture polishes
- Household cleaners and polishing compositions
- Metal polishes
- Pencil erasers
- Polishes for gold, copper, or silver or other metal utensils and decorations
- Prewax wood cleaners
- Scientific apparatus and instrument polishes
- Surgical instrument polishes
- Wood polishes

Base material (French 578183) in—
- Nonslipping billiard cue chalks

Cleansing and polishing agent for—
- Glass
- Glassware

Coating agent for—
- Coffins

Filler in—
- Antisqueak composition (U.S. 1362161)
- Artificial meerchaum
- Belt dressing (U.S. 1166845 and 1166846)
- Blackboard crayons
- Bottle-cap composition (U.S. 1149200)
- Bottle-cap gasket (U.S. 1322823)
- Can-top gasket (U.S. 1322823)
- Dusting powders for tracing cloth and various uses
- Fiber sheet (U.S. 1215064)
- Fishing nets (U.S. 1166847)
- Phonograph record compositions
- Rope (U.S. 1166847)
- Size (U.S. 1289053)
- Tailor's chalk
- Toilet seat compositions (U.S. 1495206)
- Welding-rod coatings

Filtering agent for—
- General purposes
- Nonviscous liquids
- Semiviscous liquids
- Sorghum
- Viscous liquids

Floating agent and filler (U.S. reissue 13952) in—
- Boat fender
- Buoy
- Float
- Life-preserver

Heat insulation for—
- Bakers' ovens
- Crematory furnaces
- Fireless cookers

Inert packaging material for—
- Dangerous goods

Process material offering following properties—
- Capable of taking up and holding four times its weight in water
- High absorbent properties
- High silica content
- Incombustible
- Light weight
- Low resistance to compression
- Poor conductor of heat, sound, and electricity

Process material offering following properties—
- Porosity
- Resists acids (excepting hydrofluoric)
- Resists neutral solutions
- Softness
- Soluble in alkalies

Starting point in making—
- Filter aids (various patents)

**Oral Hygiene**

Absorbent and polishing agent in—
- Dentifrice powder or paste

**Paint and Varnish**

Filler offering promotion of following properties—
- Adhesion
- Blistering resistance
- Body
- Brushing
- Durability
- Elasticity
- Flatting
- Hardness
- Higher pigment solid content in the film
- Improved firmness
- Improved night visibility
- Improved washability
- Quicker drying
- Sanding workability
- Suspension
- Whiteness

Filtering agent for—
- Nonviscous liquids
- Semiviscous liquids
- Viscous liquids

Filtering agent in making—
- Dopes
- Enamels
- Lacquers
- Paints
- Shellacs
- Varnishes

Flatting agent in—
- Enamels
- Lacquer
- Paints
- Varnishes

Inert extender for—
- Automotive surfacers
- Calcimines
- Dull wall enamels
- Dull varnishes
- Flat lacquers
- Glazing liquids
- Inside flat wall paints
- Outside house paints
- Primers
- Semigloss finishes
- Traffic paints
- Undercoats
- Wood fillers
- Zone paints

Ingredient of—
- Anticorrosion paint composition (Brit. 435003)
- Antifouling paints for ships' bottoms
- Paint and varnish removers
- Primers for "difficult" woods such as Douglas fir, Norway pine, and the like

Preventer of—
- Coagulation (when cold) of water paints, distempers, and whitewashes containing glue or gelatin (Brit. 375032)
- Settling of pigments

Process material in making—
- Pigments (French 674899)
- Ultramarine blue

**Paper**

Filler for—
- Blotting paper
- Book paper
- Glassine
- Paper
- Papier-mache
- Parchment papers

In lining cellulose sulphite digesters (U.S. 1492866)

**Petroleum**

Absorbent for—
- Acids
- Impurities
- Vapors
- Water

Breaker of—
- Oil-water emulsions

Catalyst carrier in making—
- Aliphatic alcohols (Brit. 402060)
- Aliphatic esters (Brit. 402060)
- Hydration products of oleofins (Brit. 407722, 396107, 394674, and 394375)

Dewatering agent for—
- Lubricants
- Lubricants (U.S. 1917910)
- Oils
- Petroleum
- Petroleum products

Filtering agent for—
- Lubricants
- Petroleum and petroleum-water emulsions
- Oils

Heat insulation for—
- Boilers
- Dephlegmating towers
- Forewarmers
- Nozzles
- Pipelines
- Retorts
- Stills
- Storage tanks
- Sulphur burners

Ingredient of—
- Coating compositions for interior surfaces of oil tanks (Brit. 404874)
- Sweetening agent for hydrocarbon oils containing mercaptans (U.S. 1907150)

Separating aid in—
- Dewaxing processes (paraffin recovery)

**Pharmaceutical**

Clarifying agent

Filtering agent

Filtering agent (U.S. 1192560) in making—
- Hog-cholera antitoxin

In compounding and dispensing practice

Suggested for use in making—
- Dermatologic pastes

**Photographic**

Filtering agent for—
- Gelatin

**Plastics**

Filler in—
- Molded articles
- Phonograph record compositions
- Plastics

Improver of—
- Color
- Durability
- Electrical properties
- Heat resistance
- Inertness
- Strength
- Toughness
- Water absorption
- Weight

**Power and Heat Generation**

Fume-resisting heat insulation for—
- Accumulators
- Boilers
- Breechings
- Economizers
- Evaporators
- Flues
- Furnace doors
- Heat exchangers
- Hot-water tanks
- Piping
- Stacks
- Steam pipes
- Storage tanks
- Superheaters
- Ventilators

**Printing**

Absorbent and filler in—
- Printing ink rollers

**Railroading**

Starting point in making—
- Linings for locomotive boilers

**Refractories**

Heat insulation for—
- Brick kilns

Ingredient of—
- Refractory compositions, such as cement, brick, shapes

**Refrigeration**

Heat insulation for—
- Cold-storage equipment
- Cold-storage rooms
- Icerooms
- Refrigerators
- Refrigerated cars and trucks
- Refrigerating systems

**Resins**

Filler in—
- Artificial resins

*(To be continued)*

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## 4:4'-Dioxydiphenylsulphone

**Leather**

Starting point (Brit. 443967) in making—
- Tanning agents with sulphite waste liquor and formaldehyde

**5167** informative articles that have appeared in this department have been collected in a big book of universal usefulness to producers and users. **You Need It.** **$10** Postage paid in U.S. plus 39c postage elsewhere

# Business Wants and Offers

**Minimum rate (36 words), without display, $2.00 per insertion; 25c. for each additional 6 words**
**Payable in advance at 59 John Street, New York**

### Agencies Wanted

PHILADELPHIA DISTRIBUTOR of high standing now representing nationally known manufacturers of heavy chemicals desires to secure the representation of other products. Sales organization covers all industry, including textile, leather and laundry. Write in full detail. BOX 474, Oil, Paint and Drug Reporter.

ESTABLISHED CINCINNATI firm covering Ohio and Louisville, Kentucky, would be interested in representing A-1 producers of pigments, oils, chemicals, or other raw materials. BOX 518, Oil, Paint, and Drug Reporter.

INTERESTED to act as agent for chemical manufacturers. Offers invited with complete information: c.i.f. Singapore, sales prices, samples, specifications, discounts, commissions, agency terms, etc. My bankers' reference: Mercantile Bank of India, Ltd. Trade references: refer Trade Commissioner, Singapore. F. Rosenthal, P. O. BOX 486, Singapore, S. S.

### Agents Wanted

KEY-SALES-agents wanted, several territories, handling medicinal raw materials, biologicals, some industrials, drawing against commission or other arrangement. When applying give record past five years, names of employers and description of lines sold, experience. BOX 516, Oil, Paint and Drug Reporter.

TEXAS PRODUCER of ground sulphur desires to secure representation in foreign and eastern seaboard markets. Agent will be in New York during October and will contact those interested. BOX 522, Oil, Paint and Drug Reporter.

### Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x 40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

### Equipment Offered

FIND what you want right in New York City. Pony mixers, post mixer, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

FILTERS. — Packaging and processing equipment, pumps, air compressors. Reconditioned and new units. Complete stocks of filtering media and bottling room supplies. Perry Equipment and Supply Co., 142 North 10th street, Philadelphia, Pa.

### Factories Offered

BRICK FACTORY, two story, 9,000 sq. ft., both floors concrete, sprinklers, elevator, good headroom, 24-hour live steam available, railroad siding, yard, unrestricted district, Newark, N. J. Low rent. The R. L. Kraft Company, Woolworth Building COrtlandt 7-9377.

### Plants Offered

SMALL VARNISH plant, complete with equipment, ready to start work at once, for rent; inexpensive; within five miles of New York City. BOX 527, Oil, Paint and Drug Reporter.

### Positions Vacant

SUPERINTENDENT.—Medium sized paint and varnish plant in the east, desires the services of an experienced man who is capable of handling men, run a plant economically. Chemical education preferable, but not absolutely essential. Reply in detail giving full experience, references, education, and starting salary. All replies will be treated confidentially. Our employes know of this ad. BOX 528, Oil, Paint and Drug Reporter.

### Positions Vacant

WANTED:—A salesman about 35 with fundamental knowledge of chemistry and successful selling record of pigments or chemicals to paint or rubber trade. Good opening with whiting manufacturer in middlewestern territory. BOX 512, Oil, Paint and Drug Reporter.

### Positions Wanted

OIL, PIGMENT, raw material salesman, determined and energetic, with ten years' experience, has intimate knowledge of manufacturers of paints, varnishes, inks and floor coverings in the New York metropolitan area. Engaged at present but desires to make a change, full explanation for which will gladly be given. Present connection is familiar with this ad. BOX 517, Oil, Paint and Drug Reporter.

SALES REPRESENTATIVE, Christian, 35, seeks connection metropolitan New York. Plastics and allied products including field of packaging plastics; resin treated paper, textiles, wood, rubber. BOX 520, Oil, Paint and Drug Reporter.

SUPERINTENDENT or production foreman desires connection with paint manufacturer. Thorough knowledge in the formulation and manufacturing of industrial and synthetic varnishes, lacquers, all paints and enamels, and special finishes. References. BOX 521, Oil, Paint and Drug Reporter.

CHEMIST.—Graduated New York University with one year graduate work. Age 24. Seeks position with progressive chemical concern. Willing to start at bottom. Location, any place. BOX 525, Oil, Paint and Drug Reporter.

### Positions Wanted

GRADUATE CHEMIST, one year's experience fabric waterproofing, rubber resins; just completed detailed study of linseed oil literature from 1926-1936. Energetic. Conscientious. Salary secondary. Progressive organization preferred. Locate anywhere. John Reyne, 1444 Minford place, Bronx, New York.

TECHNICAL SALES representative.—Thoroughly experienced, desires connection with manufacturer of industrial materials, for rubber, paint, textile, pharmaceutical, cosmetic uses, or dealer in raw materials. BOX 523, Oil, Paint and Drug Reporter.

CHEMIST, ENGINEER with 26 years manufacturing experience, 47 years old. Had charge chemical plant during last war. Have never been out of work all during depression. Available on short notice. BOX 524, Oil, Paint and Drug Reporter.

CHEMIST desires position in paint and varnish concern where his experience will prove benefit. Able to deliver reliable formulation of all types of products. BOX 526, Oil, Paint and Drug Reporter.

### Surplus Stock

CHECK INVENTORIES.—Cash for any quantity, surplus finished or raw materials —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also purchase complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City, WAlker 5-4250.


**WANTED**

**We will buy your idle or surplus machinery — single items to complete plants.**

**Send us a list of Kettles, Filter Presses, Dryers, Mixers, Roller Mills, Pulverizers, Crushers, Pumps, etc.**

**SPECIALS—FOR SALE**

12—10 ft. x 30 ft. Vertical Closed Steel Storage Tanks, 18,000 gals.
2—24 in. Badger Copper Rectifying Columns, complete — others 8 in. to 72 in.
1—400 gals. Stainless Steel Jacketed Kettle.
4—Bartlett and Snow Steel Jacketed Agitated Digestors, 1600 gals.
18—Jacketed Copper and Aluminum Kettles 20 gals. to 500 gals.
1—Proctor and Schwartz 4-truck Dryer, 1000 sq. ft. drying surface.
2—Valles Rotary Filters, 25 filter plates; about 450 sq. ft. of filtering surface.
1—Devine 3 ft. x 9 ft. Double Bronze Drum Rotary Vacuum Drum Dryer.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
1—W. & P. Vacuum Mixer, 100 gals.; other W. & P.'s 2-gals. to 2650 gals.
2—Devine 5 ft. x 30 ft. Rotary Vacuum Dryers.
12—Ball Mills, 10 gal. to 500 gal.
1—Shriver 42 in. x 42 in. cast iron filter press, plate and frame, 30 chambers.

*Many other attractive bargains. Send for latest circulars.*

**Consolidated Products Co., Inc.** 13-18 Park Row :: :: New York, N.Y.
SHOPS 335 Doremus Ave., Newark, N.J.


## *N.P.V.L.A. Program Taking Shape*

*—Continued from page 4*

presentatiton of a few other formal convention matters, the industrial sales division will take over for the balance of the afternoon.

Paul S. Kennedy, national industrial sales chairman, is preparing a novel presentation of industrial sales and purchasing problems. Another feature will be a talking picture produced by the National Association of Manufacturers. A. C. Stephan will address the meeting on "Cost of Distribution in the Industrial Field," based on a study of this subject by his committee during the past year. Another high-light will be "Information Please," an informative quiz program on industrial sales problems which will be participated in by a group of our West coast members.

The business program on November 1 will be devoted to the trade sales division of the association. H. C. McClellan, of Los Angeles, will discuss the general aspects of dealer education. D. M. Hobart, of the Curtis Publishing Company, will present surveys in the paint selling field. Mr. C. H. Sondhaus, of San Francisco, will talk on the subject "The Crying Need of Educating the Dealer to Become a Better Business Man." The time payment plan, and paint styling will also have an important place on the program.

A round-table discussion on technical and plant management problems will be held November 2. This portion of program is being worked out in conjunction with production clubs on the Pacific coast. Previously, the Federation of Paint and Varnish Production Clubs held its annual meeting during the same week and at the same place as the National Paint, Varnish and Lacquer Association, but this year the federation is meeting in the Stevens hotel, Chicago, October 25-27.

The forenoon session on November 3 will formally close the convention from the standpoint of the business program. At this session, among the speakers will be Dr. Paul F. Cadman, president of the American Research Foundation, who will talk on "The Lasting Values of Free Enterprise." Another talk will be on "Diminishing Profits in the Paint Industry" by Roy A. Foulke, of Dun & Bradstreet, Inc. The election and installation of officers and members of the executive committee will terminate the convention proceedings.

The Pacific coast entertainment committee, under the chairmanship of W. P. F. Brawner, has arranged for the "play night" to be held on Wednesday, and the banquet on Thursday evening. In addition special events are being provided for the ladies in attendance at the convention.

The committee is also planning in conjunction with Thomas Cook & Son, travel agency, some post convention tours. An opportunity will also be afforded to visit the Golden Gate International Exposition on Treasure Island.

## *Obituaries*

### Dr. Merville H. Carter

Dr. Merville Hamilton Carter, founder of the Resinol Chemical Company, drug manufacturer, Baltimore, died August 29 in his Summer home on the Severn river, near Annopolis, Md. He was eighty years of age.

Born in Middletown, Va., Dr. Carter graduated in medicine at the University of Maryland, and engaged in private practice for many years. He subsequently founded the Resinol organization. Dr. Carter was a member of the University Club of Baltimore, and the Coral Gables Club, Florida. Surviving are his wife and two sons.

### Manzo Kushida

Manzo Kushida, director of the Mitsubishi financial and industrial interests, died September 8 of pneumonia. He was seventy-two years of age. Four years after he was graduated from the University of Pennsylvania, Mr. Kushida joined the Mitsubishi Bank. He was director general of the Mitsubishi Goshi Kaisha, parent company of the Mitsubishi interests.

### F. O. Wallschlaeger

F. O. Wallschlaeger, treasurer and auditor of the California Fruit Growers' Exchange, Los Angeles, died recently in his home in San Marino, California, after a month's illness. He was fifty years of age. Coming to the California Fruit Growers' Exchange in 1916 from the Department of Agriculture, Washington, Mr. Wallschlaeger was placed in charge of the financial and statistical end of the business.


GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY


### Yarnall Paint Adds Haldis And Fulwider to Sales Staff

The Yarnall Paint Company, Philadelphia, has appointed Anthony J. Haldis factory representative in Baltimore, Washington, and the Shenandoah valley of Virginia. Charles Fulwider has been made factory representative in Wilmington and the Eastern shore of Delaware, Maryland and Virginia.

**General Western Printing Ink** Company, Portland, Ore., has been formed with a capital stock of $10,000.

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